

U.S. Army Corps of Engineers New England District

FINAL REMEDIAL INVESTIGATION REPORT AREA OF CONTAMINATION (AOC) 57

VOLUME II OF III APPENDICES A THROUGH D

**CONTRACT DACA-31-94-D-0061
DELIVERY ORDER NUMBER 0001**

**U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT
CONCORD, MASSACHUSETTS**

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**Harding
Lawson
Associates**

FINAL
REMEDIAL INVESTIGATION REPORT
AREA OF CONTAMINATION (AOC) 57

VOLUME II OF III
APPENDICES A THROUGH D

CONTRACT DACA-31-94-D-0061
DELIVERY ORDER NUMBER 0001

Prepared for:

U.S. Army Corps of Engineers
New England District
Concord, Massachusetts

Prepared by:

Harding Lawson Associates
Portland, ME
Project No. 45001
Task No. 0914403

June 2000

DTIC QUALITY INSPECTED 4

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EXPLORATION LOGS

Harding Lawson Associates

SOIL BORING LOG

Study Area: ACC 57

Boring No.: 57B-95-01X

Client: USATHAMA

Project No. 9144-02

Protection: D

Contractor: D.L. Maher

Date Started: 9-26-95

Completed: 9-26-95

Method: 4 1/2" (ID) HSA

Casing Size: —

PI Meter: TE 580A DVM

Ground Elev.: —

Soil Drilled: 23 ft

Total Depth: 23 ft

Logged by: Jim

Checked by: —

Below Ground: 20.6 ft

Screen: — (ft.)

Riser: — (ft.)

Diam: — (ID)

Material: —

Page 1 of 2

SCORE VARIES

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	CLP/SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK DESCRIPTION	SOIL CLASS	BLOWS/6-IN.	WELL DATA	LITHOLOGY	ELEVATION (FT.)
0						Top 1.1': Gravelly med SAND, well graded, 15% f to c gravel, 10% c sand, 5% f sand, 15% silt, nonplastic, loose, dry, brown, angular.	SM	9 16 23 14			
2	BX570100	0-2'		1.7'	0.0	Bottom 0.6': Med. SAND, moderately graded, 5% c sand, 5-12% silt, nonplastic, loose, dry, yellowish, smooth.	SW-SM				
5											
7	BX570105	5-7'		1.5'	0.0	Med to c SAND, well graded, 10% f sand, <5% fines, loose, dry to damp, tan with 5% darker clasts.	SW	11 13 11 11			
10											
12	BX570110	10-12'		1.4'	0.0	Med. SAND, moderately graded, 15% f sand, <5% fines, loose, damp, tan with 5% darker clasts.	SW	8 9 8 8			
15											
17	BX570115	15-17'		1.4'	0.0	Med to c SAND, well graded, 15% f and c gravel to 1" max, <5% f sand, <5% fines, loose, damp, light tan with 5-10% dk. gray clasts, subangular.	SW	7 11 23 20			

PROPORTIONS

(-) AMOUNT (+)

ABBREVIATIONS

Trace (tr)

0-10%

f = fine

gr = gray

MS = Split Spoon

Little (ll)

10-20%

m = medium

bn = brown

BW = Screened Auger

Some (so)

20-35%

c = coarse

blk = black

HP = Hydropunch

and

35-50%

* Grain size samples collected from each spoon.

2020120507

SOIL BORING LOG

Study Area: AOC 57

Boring No.: 57B-95-01X

Client: USATHAMA

Project No. 9144-02

Protection: D

Contractor:

Date Started: 9-26-95

Completed: 9-26-95

Method: 4 1/4" 4SA

Casing Size: —

PI Meter: TE 580 A OVM

Ground Elev.: —

Soil Drilled: 21 ft

Total Depth: 23 ft

Logged by: *gjm*

Checked by:

Below Ground: 20.6 ft

Screen: — (ft.) Riser: — (ft.) Diam: — (ID) Material: —

Page 2 of 2

17

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	CLP/SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK DESCRIPTION	SOIL CLASS	BLOWS/6-IN.	WELL DATA	LITHOLOGY	ELEVATION (FT.)
17	BX570117	17-19		not recovered	0.0	Med to c. SAND, moderately <i>graded (gjm)</i> sorted , 5% f sand, <5% fines, loose, damp, lt. tan with 5-10% dark gray clasts, subangular	SW	7 9 8 11 11			
19		19-21			0.0	Med SAND, poorly graded, 5-10% f sand, <5% fines, med. dense; top 1.1' damp, bottom 0.4' wet, lt. tan with 5% dark clasts; subangular	SP	7 10 15 12			
21	BX570121	21-23			0.0	Med SAND, poorly graded, 5-10% f sand, <5% fines, med. dense; saturated, lt. tan with 5% dark clasts, subangular	SP	10 13 9 22			
23						Bottom of exploration at 23'. Augers advanced to 21'. Depth to Water = 20.6 ft					

PROPORTIONS

(-) AMOUNT (+)

ABBREVIATIONS

Trace (tr)
Little (ll)
Some (so)
and

0-10%
10-20%
20-35%
35-50%

f = fine gr = gray
m = medium bn = brown
c = coarse blk = black

MS = Split Spoon
BW = Screened Auger
HP = Hydropunch

SOIL BORING LOG

Study Area: **AOC 57**

Boring No.: **57B-95-02X**

Client: **USATHAMA**

Project No. **9144-02**

Protection: **D**

Contractor: **D.L. Maher**

Date Started: **9/27/95**

Completed: **9/27/95**

Method: **4 1/2" (ID) HSA**

Casing Size: **—**

PI Meter: **TE 580A OVM**

Ground Elev.: **—**

Soil Drilled: **19 ft.**

Total Depth: **19'**

Logged by: **sjm**

Checked by: **—**

☒ Below Ground: **16.92'**

Screen: (ft.)

Riser: (ft.)

Diam: (ID)

Material:

Page **1** of **2**

(DEPTH NOT TO SCALE)

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	CLP/SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK DESCRIPTION	SOIL CLASS	BLOWS/6-IN.	WELL DATA	LITHOLOGY	ELEVATION (FT.)
0						0.0'-0.6': Gravelly, silty, m to c SAND, well graded, 20% f to c gravel, 15% f sand, 15% silt, nonplastic, med dense, dry, dark gray.	SM	10 11 11 12			
0.2'	BX570200	0.2'		1.4'	0.0	0.6'-0.4': Gravelly m to c SAND, well graded, 10% f to c gravel, 10% f sand, 15% silt, med dense, dry, yellow.	SM				
2											
5											
5.7'	BX570205	5.7'		1.6'	0.0	M to c SAND, well graded, med. (sjm) 5% f gravel, 5% f sand, 5-12% silt, nonplastic, med dense, damp, yellowish tan.	SW-SM	6 9 8 9			
7											
10											
10.2'		10.2'		1.4'	0.0	M SAND, moderately graded, 5% c sand, 10% f sand, 5-12% fines, med dense, damp, tan. with 5-10% dk gray (sjm)	SW-SM	8 15 12 10			
12											

PROPORTIONS

(-) AMOUNT (+)

ABBREVIATIONS

Trace (tr)
Little (ll)
Some (so)
and

0-10%
10-20%
20-35%
35-50%

f = fine
m = medium
c = coarse
gr = gray
bn = brown
blk = black

MS = Split Spoon
BW = Screened Auger
HP = Hydropunch

SOIL BORING LOG

Study Area: AOC 57

Boring No.: 57B-95-02X

Client: USATHAMA

Project No. 9144-02

Protection: D

Contractor:

Date Started:

9/27/95

Completed: 9/27/95

Method: 4 1/4" HSA

Casing Size:

PI Meter: TE 580A OVM

Ground Elev.:

Soil Drilled: 19 ft.

Total Depth: 19'

Logged by: SJM

Checked by:

Below Ground: 16.92'

Screen:

(ft.)

Riser:

(ft.)

Diam:

(ID)

Material:

Page 2 of 2

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	CLP/SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK DESCRIPTION	SOIL CLASS	BLOWS/6-IN.	WELL DATA	LITHOLOGY	ELEVATION (FT.)
15		57'		1.5'	0.0	Med SAND, moderately graded, 5% c. sand, 5% f sand, 5-12% silt, loose, moist, tan.	SW-SM	6 7 9 8			
17		17-19		1.4	0.0	Med SAND, as in 15-17' interval, but saturated.	SW-SM	6 8 9 9			
19	BX570217					Augers advanced to 19' lgs. Spoons driven to 19' lgs. Depth to water = 16.92'					

PROPORTIONS

(-) AMOUNT (+)

ABBREVIATIONS

Trace (tr)

0-10%

f = fine

gr = gray

MS = Split Spoon

Little (ll)

10-20%

m = medium

bn = brown

BW = Screened Auger

Some (so)

20-35%

c = coarse

blk = black

HP = Hydropunch

and

35-50%

SOIL BORING LOG

Study Area: AOC 57

Boring No.: 54B-95-03X

Client: USATHAMA

Project No. 9144-02

Protection: D

Contractor: D.L. Maher

Date Started: 9/27/95

Completed: 9/28/95

Method: 4 1/2" HSA

Casing Size: 1"

PI Meter: TE 580 A OVM

Ground Elev.: 21.23'

Soil Drilled: 24'

Total Depth: 24'

Logged by: GJM

Checked by:

Below Ground: 21.23'

Screen: (ft.)

Riser: (ft.)

Diam: (ID)

Material:

Page 1 of 1

DEPTH NOT TO SCALE

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	CLP/SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK DESCRIPTION	SOIL CLASS	BLOWS/6-IN.	WELL DATA	LITHOLOGY	ELEVATION (FT.)
0						0.0 to 1.3': Gravelly m to c SAND, 25% f to e gravel to 3/4" max, well graded, 15% f sand, 15% silt, med dense, dry, brown	SM	13 11 16 20			
2	02'		BFS70300	1.8'	0.0	1.3-1.8': Gravelly m to c SAND, as above, but dk gray	SM				
5											
7	5-7'		BFS70305	1.3'	0.0	Med SAND, moderately graded, 5% c sand, 5% f sand, 5-12% silt, loose, damp, tan with speck	Silt-SM	8 8 10 14			
10											
12	10-12'			1.4'	0.0	F to m SAND, moderately graded, poorly graded, 10% c sand, <50% silt, loose, damp, tan	SP	6 7 8 9			
15											
17	15-17'			1.3'	0.0	M to c SAND, moderately graded, 5% f sand, 5-12% silt, med dense, moist, tan	SW-SM	6 11 13 11			
19	17-19'			1.5'	0.0	M to c SAND, as in 15'-17' interval	SW-SM	9 14 14 15			
21	19-21'			1.3'	Not measured	M SAND, moderately graded, 5% c sand, 5-10% f sand, 5-12% silt, med dense, moist to wet tan. Bottom 3" contain c gravel chunks	SW-SM	8 9 10 10			
23	* 21-23'			1.6'	Not recorded	M SAND, as in 19'-21', but saturated	SW-SM	12 12 11 11			

PROPORTIONS

(-) AMOUNT (+)

ABBREVIATIONS

Trace (tr)

0-10%

f = fine

gr = gray

MS = Split Spoon

Little (ll)

10-20%

m = medium

bn = brown

BW = Screened Auger

Some (so)

20-35%

c = coarse

blk = black

HP = Hydropunch

and

35-50%

* BX570321

- Augers advanced to 24'
 - Spoons driven to 23'

ABB Environmental Services, Inc.

NOTE: PID battery low; unable to measure ppm for 19-21' and 21-22' intervals (cim)

SOIL BORING LOG

Study Area: AX 54Boring No.: 57B-95-04XClient: USATHAMAProject No. 9144-02Protection: DContractor: D.L. MahanDate Started: 9/28/95Completed: 9/28/95Method: 1/2" HSACasing Size: PI Meter: TE 580 A OVMGround Elev.: Soil Drilled: 17'Total Depth: 17'Logged by: symChecked by: ☒ Below Ground: 13.3'

Screen: (ft.)

Riser: (ft.)

Diam: (ID)

Material: Page 1 of: 1

DEPTH NOT TO SCALE

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE DEPTH	CLP/SCREENING	RECOVERY (%)	PID (ppm)	SOIL/ROCK DESCRIPTION	SOIL CLASS	BLOWS/6-IN.	WELL DATA	LITHOLOGY	ELEVATION (FT.)
0											
2	0-2			0.8	0.0	Gravelly, silty med SAND, very well graded, 5% c gravel to 2" max, 10% f gravel, 10% c sand, 10% f sand, 15% silt, loose, moist, dk brown. "Earthy" smell.	SM	1 3 5 6			
5	5-7			1.3	0.0	Med SAND, well graded, < 5% c gravel to 3/4" max, 5% f gravel, 10% c sand, 5-10% f sand, 5-12% silt, loose, moist, yellowish brown.	SWL SM	5 7 13 4			
7											
10	10-12			1.4	0.0	M to c SAND, well graded, 2% c gravel to 1/2" max, 20% f gravel, 15% f sand, < 5% silt, loose, moist, tan.	SW	5 7 9 12			
12											
15	15-17			1.6	0.0	F to m SAND, poorly graded, 10% c sand, med dense, saturated, tan.	SP	5 15 25 24			
17											
						- Augers advanced to 17 ft. logs.					
						- Spoons driven to 17 ft logs.					

PROPORTIONS

(-) AMOUNT (+)

ABBREVIATIONS

Trace (tr)

0-10%

f = fine

gr = gray

MS = Split Spoon

Little (ll)

10-20%

m = medium

bn = brown

BW = Screened Auger

Some (so)

20-35%

c = coarse

blk = black

HP = Hydropunch

and

35-50%

SOIL BORING LOG

Study Area: AOC 54

Boring No.: 57B-95-05X

Client: USATHAMA

Project No. 9144-02

Protection: D

Contractor: J.L. Maher

Date Started: 9/23/95

Completed: 9/29/95

Method: 4 1/2" HSA

Casing Size:

PI Meter: TE 580A OVM

Ground Elev.: 17'

Soil Drilled: 17'

Total Depth: 17'

Logged by: S.M.

Checked by:

Below Ground: 14.56'

Screen: (ft.) Riser: (ft.) Diam: (ID) Material:

Page 1 of 1

DEPTH NOT TO SCALE

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE DEPTH	CLP/SCREENING	RECOVERY (ft.)	PID (ppm)	SOIL/ROCK DESCRIPTION	SOIL CLASS	BLOWS/6-IN.	WELL DATA	LITHOLOGY	ELEVATION (FT.)
0		0.2		1.6	0.0	0.0-0.7' : Gravelly m to c SAND, well graded, 20% f gravel, 10% f sand, 15% silt, loose, damp, dk grayish brown.	SM	2 7 14 9			
2						0.7'-1.6' : F to m SAND, well graded, 25% silt, loose, damp, dk. brown	SM				
5		5-7		1.4	0.0	M SAND, moderately graded, 20% f to c gravel, 10% c sand, 10% f sand, 5-12% silt, loose, damp, yellowish brown.	SW-SM	4 6 6 7			
7											
10		10-12		1.5	0.0	F to m SAND, moderately graded, 20% c sand, 5-12% silt, loose, damp, tan.	SW to SM	4 6 7 9			
12											
15	BX570515	15-17	BF570515	1.6	0.0	Top 0.6' : M SAND, moderately graded, 15% f sand, <5% silt, loose, saturated, tan.	SW	5 5 6 9			
						0.6'-0.8' : M SAND, as in 0.0-0.6', but slightly coarser and with a rusty brown color.	SW				
						0.8'-1.6' : LF SAND, poorly graded, 5% med sand, 5-12% silt, loose, saturated, tan.	SW-SM				
17											

PROPORTIONS

(-) AMOUNT (+)

ABBREVIATIONS

Trace (tr)

0-10%

f = fine

gr = gray

MS = Split Spoon

Little (ll)

10-20%

m = medium

bn = brown

BW = Screened Auger

Some (so)

20-35%

c = coarse

blk = black

HP = Hydropunch

and

35-50%

— Augers and spoons driven to 17' bgs

SOIL BORING LOG

Study Area: AOC 57

Boring No.: 57B-95-06X

Client: USATHAMA

Project No. 9144-02

Protection: D

Contractor: D.L. Maher

Date Started: 9/28/95

Completed: 9/28/95

Method: 4 1/4" HSA

Casing Size: —

PI Meter: TE 580 A OVM

Ground Elev.: —

Soil Drilled: 16'

Total Depth: 16'

Logged by: G.M.

Checked by: —

Below Ground: 13.98'

Screen: — (ft.)

Riser: — (ft.)

Diam: — (ID)

Material: —

Page 1 of 1

(DEPTH NOT TO SCALE)

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH (FT)	CLP/SCREENING	RECOVERY (FT)	PID (ppm)	SOIL/ROCK DESCRIPTION	SOIL CLASS	BLOWS/6-IN.	WELL DATA	LITHOLOGY	ELEVATION (FT.)
0		0-2		1.6	0.0	M SAND, moderately graded, <5% c sand, 5% f sand, 5-12% silt, loose, damp, yellowish brown, subangular.	SW-SM	5 10 9 8			
2											
5		5-7		1.4	0.0	F SAND, poorly graded, >15% silt, loose, damp, tan, subangular.	SM	6 8 8 9			
7											
10		10-12		1.5	0.0	M SAND, poorly graded, >15% (gr-m) 10% f sand, 5-12% silt, loose, damp, tan.	SW-SM	5 5 6 8			
12	BX 570612	12-14	BFS 70612	1.5	0.0	M SAND, well graded, 10% c sand, 10% f sand, <5% silt, loose, saturated, tan, subangular.	SW	5 6 8 9			
14		14-16		1.4	0.0	F to m SAND, well graded, <5% silt, loose, saturated, tan, subangular.	SW	5 6 7 9			
16						Augers advanced to 16' bgs Spoons driven to 16' bgs					

PROPORTIONS

(-) AMOUNT (+)

ABBREVIATIONS

Trace (tr)

0-10%

f = fine

gr = gray

MS = Split Spoon

Little (ll)

10-20%

m = medium

bn = brown

BW = Screened Auger

Some (so)

20-35%

c = coarse

blk = black

HP = Hydropunch

and

35-50%

SOIL BORING LOG

Study Area: AOC 57

Boring No.: 573-96-07X

Client: USACE

Project No. 09144-08

Protection: Mod. D

Contractor: N.H.R.

Date Started: 8.28.96

Completed: 8.28.96

Method: 4.25" TSA

Casing Size: -

PI Meter: TE 580B OUM

Ground Elev.: -

Soil Drilled: 12.0 FT

Total Depth: 12.0' bgs

Logged by: R.M. Col

Checked by: RRR

Below Ground: ~ 5.0' bgs

Screen: - (ft.)

Riser: - (ft.)

Diam: - (ID)

Material: -

Page 1 of: 1

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	ON-SITE SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK/DISCHARGE WATER DESCRIPTION	SOIL CLASS	WELL DATA
2	ONSITE/ OFFSITE	0 TO 2	BFS70700	1.8 2.0	230	F. SAND, poorly graded, 5% fines, dry, loose, non-plastic, light to dark brown. Fuel odors noted.	SW SP	6/8/7/3
4								
6	ONSITE/ OFFSITE	5 TO 7	BFS70705	1.7 2.0	300	F. SAND, poorly graded, 5% fines, SATURATED (V) loose, non-plastic, light to dark grey, sheen on water, odors.	SW SP	6/8/7/3
8								
10	ONSITE	10 TO 12	BFS70710	1.6 2.0	11.0	SAME AS ABOVE, SATURATED	SW SP	5/6/8/16
12						B.O.B = 12.0' bgs (Not Refusal)		
14								
16								
18								
20								

Grout Borehole to Surface

SOIL BORING LOG
PROJECT OPERATIONS PLAN
FORT DEVENS, MASSACHUSETTS

ABB Environmental Services, Inc.

SOIL BORING LOG

Client: <u>USACE</u>		Project No. <u>09144-08</u>		Study Area: <u>KCC 57</u>
Contractor: <u>NHR</u>		Date Started: <u>8/29/96</u>		Boring No.: <u>578-26-ER</u>
Method: <u>4.25 HSA</u>		Casing Size: <u>-</u>		Protection: <u>MOD 7</u>
Ground Elev.: <u>-</u>		Soil Drilled: <u>12.0'</u>		Completed: <u>8/29/96</u>
Logged by: <u>HK Wilson</u>		Checked by: <u>RRR</u>		PI Meter: <u>TE 5808 OVA</u>
Screen: <u>N/A (ft.)</u>		Riser: <u>- (ft.)</u>		Total Depth: <u>12'</u>
Diam: <u>- (ID)</u>		Material: <u>-</u>		Below Ground: <u>~6'</u>
Page <u>1</u> of <u>1</u>				

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	ON-SITE SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK/DISCHARGE WATER DESCRIPTION	SOIL CLASS	WELL DATA
2'	ON SITE / OFF SITE	0-2	BIS 7080	1.6'	0.4	TOPSOIL BRN TO LT. BRN F-M SAND W/ SILT + GRAVEL + ROOTS ~1% SILT ~10% GRAVEL LEAKS 3" SPEN	SW	7 4 6 9
4'								
6'	ON / OFF SITE	5-7	BIS 7080	1.4'	0	SATURATED AT TIP TAN ROSEY FINE SAND TRACE SILT LEAKS 3" SPEN	SP	5 5 6 7
8'								
10'	ON SITE	10-12	BIS 7080	1.5'	1	TAN FINE SAND W/ SILT ~20% SILT LEAKS 3" SPEN	SP	4 6 3 6
12'						END OF BORING 12' AUGERS TO 10'	MO	

SOIL BORING LOG
PROJECT OPERATIONS PLAN
FORT DEVENS, MASSACHUSETTS

ABB Environmental Services, Inc.

SOIL BORING LOG

Client: WAL				Project No. 09/44.08		Study Area: ACC 57	
Contractor: NAB		Date Started: 8/29/96		Boring No.: 57R96-09X		Protection: NO. 1	
Method: 4.25 HSD		Casing Size: -		Completed: 3/29/96		PI Meter: TE 5808 OVR	
Ground Elev.: -		Soil Drilled: 12.0		Total Depth: 12'			
Logged by: NK WILSON		Checked by: RRR		Below Ground: - 5'			
Screen: N/A (ft.)	Riser: - (ft.)	Diam: - (ID)	Material: -	Page 1 of 1			

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	ON-SITE SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK/DISCHARGE WATER DESCRIPTION	SOIL CLASS	WELL DATA
2'	0-2	0-2	1.2'	0		BROWN FINE SAND W/ SILT + GRAVEL - 1% SILT, TRACE ROOTS - 1% GRAVEL 3" SPREAD	SP	3 5 5 4
4'								
6'	5-7	5-7	2'	0		TAN FINE SAND SATURATED AT TIP TRACE SILT	SP	3 4 5 6
8'								
10'	10-12	10-12	1.6'	0		TAN FINE SAND TRACE SILT 2" SPREAD	SP	3 5 5 5
12'						END OF BORING AT 12'		

SOIL BORING LOG
PROJECT OPERATIONS PLAN
FORT DEVENS, MASSACHUSETTS

ABB Environmental Services, Inc.

SOIL BORING LOG

Study Area: AOC 57

Boring No.: 57B-96-10X

Client: USACE

Project No. 09144-03

Protection: Med. D

Contractor: NHB

Date Started: 9.3.96

Completed: 9.3.96

Method: 9.25' HSA

Casing Size: -

PI Meter: TE 5803 CUM

Ground Elev.: -

Soil Drilled: 17.0 FT

Total Depth: 17.0' bgs

Logged by: R. McCoy

Checked by: RRR

Below Ground: ~ 9.0' bgs

Screen: - (ft.)

Riser: - (ft.)

Diam: - (ID)

Material: -

Page 1 of 1

DEPTH (FT)	TYPE SAMPLE NUMBER	SAMPLE DEPTH	ON-SITE SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK/DISCHARGE WATER DESCRIPTION	SOIL CLASS	WELL DATA
2								
4								
6	ONSITE OFFSITE	5 7	BE571005	1.7 2.0	0.0	Fine SAND, poorly graded, trace silt & gravel, dry, loose, non-plastic, reddish brown	SP	4/5/6/5
8						(RR)		
10	ONSITE OFFSITE	10 12	BE571010	1.7 2.0	0.0	Fine SAND, poorly graded, trace silt & gravel, non-plastic, saturated, Med. loose, light brown	SP	7/10/9/14
12						(RR)		
14								
16	ONSITE TO 17	15 17	BE571015	1.6 2.0	0.0	Fine SAND, poorly graded, trace silt & gravel, non-plastic, SATURATED, loose, light grayish brown w/ reddish lenses,	SP	5/6/4/4
18						B.O.B = 17.0' bgs (Not Refusal)	(RR)	
20								

Borehole Grouts to Ground Surface

SOIL BORING LOG
PROJECT OPERATIONS PLAN
FORT DEVENS, MASSACHUSETTS

ABB Environmental Services, Inc.

SOIL BORING LOG

Client: USACE		Project No. 09144-08	Study Area: ACC 57
Contractor: N H B		Date Started: 9-3-96	Boring No.: 57B-96-11X
Method: 4.25" HSA		Casing Size: -	Protection: Mod. D
Ground Elev.: -		Soil Drilled: 17.0 FT	Completed: 9-3-96
Logged by: R. McCoy		Checked by: RRR	PI Meter: TE 5803 OUM
Screen: - (ft.)		Riser: - (ft.)	Total Depth: 17.0
Diam: - (ID)		Material: -	Below Ground: ~ 9.0' bgs
Page 1		of: 1	

DEPTH (FT)	TYPE SAMPLE NUMBER	SAMPLE DEPTH	ON-SITE SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK/DISCHARGE WATER DESCRIPTION	SOIL CLASS	WELL DATA
2								
4								
6	ONSITE OFFSITE	5 TO 7	BS71105	1.8 2.0	0.0	Fine SAND, poorly graded, 5% fines, no gravel, dry, loose, non-plastic, light brown.	SO SP	10/15/22/21
8								
10	ONSITE + dup	10 TO 12	BS71110	1.8 2.0	0.0	Fine sand, poorly graded, 5% fines, no gravel, SATURATED, Med. loose, non-plastic, light greyish brown.	SO SP	7/9/10/15
12								
14								
16	ONSITE	15 TO 17	BS71115	1.4 2.0	0.0	SAME AS ABOVE.	SO SP	8/5/5/5
18						B.O.B = 17.0' bgs (Not Refused)		
20								

NO WELL INSTALLED

SOIL BORING LOG
PROJECT OPERATIONS PLAN
FORT DEVENS, MASSACHUSETTS

ABB Environmental Services, Inc.

SOIL BORING LOG

Study Area: AOC 57

Boring No.: 57M-95-01X

Client: USAEC

Project No. 09144-02

Protection: MODIFIED D

Contractor: D.L. MAHER

Date Started: 9/21/95

Completed: 9/21/95

Method: H.S.A.

Casing Size: 6" steel

PI Meter: 580A OVM TE#10

Ground Elev.:

Soil Drilled: 30 FEET

Total Depth: 30 FEET

Logged by: G. GULSETH

Checked by:

Below Ground: 22.3 FEET

Screen: 10 (ft.)

Riser: 19' (ft.)

Diam: 4" (ID)

Material: Sched. 40

Page 1 of 2

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	ON-SITE SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK/DISCHARGE WATER DESCRIPTION	SOIL CLASS	5	10	15	20	25	WELL DATA
0-2		0-2		1.7		Top 0.5ft - cmf silty SAND, well graded, 15-20% Silt, 20% gravel, low plasticity, damp, loose, dark brown, subangular	SM						14
2		2-4		1.6		Bottom 1.2ft - cmf gravelly SAND, well graded, 30% gravel, damp, loose, dark yellowish brown, subangular	SW						3
4		4-6		1.3		cmf SAND, well graded, 10% gravel, damp, very loose, dk. yellowish brown, subangular	SW						5
6		6-8		1.6		cmf SAND, poorly graded, < 5% gravel, damp, v. loose, yellowish brown, subang.	SP						6
8		8-10		1.3		Top 0.9 feet - See Above Description	SP						4
10		10-12		1.8		Bottom 0.7ft - cmf gravelly SAND, well graded, 15% gravel, damp, loose, brownish yellow	SW						8
12		12-14		1.5		@ 8-10' - See Above Description	SW						9
14		14-16		1.6		@ 10-10.2' - See Above Description	SW						10
16		16-18		1.4		@ 10.2 - 12' - cmf SAND, poorly graded, 5% gravel, damp, loose, brownish yellow, subangular	SP						4
18		18-20		1.8		@ 12-14' - See Above Description - to olive brown	SP						5
20						@ 14-16' - cmf gravelly SAND, well graded, 10-15% gravel, damp, loose, brownish yellow, subangular	SW						4
						@ 16-18' - Top 0.4' - See Above Description	SW						5
						Bottom 1.0ft - cmf SAND, poorly graded, damp, loose, light brownish yellow, subrounded	SP						6
						@ 18-20' - See Above Description	SP						16
													13
													7
													12
													13
													15
													5
													8
													9
													12

SOIL BORING LOG

Study Area: ACC. 57

Boring No.: 57M-95-01X

Client: USAEC

Project No. 09144-02

Protection: MODIFIED D

Contractor: D.L. MAHER

Date Started: 9/21/95

Completed: 9/21/95

Method: H.S.A.

Casing Size: 6" steel

PI Meter: OVM 580A TE#10

Ground Elev.:

Soil Drilled: 30 FEET

Total Depth: 30 FEET

Logged by: G. GULSETH

Checked by:

Below Ground: 22.3 FEET

Screen: 10 (ft.)

Riser: 19' bgs (ft.)

Diam: 4" (ID)

Material: Sched. 40

Page 2 of: 2

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	ON-SITE SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK/DISCHARGE WATER DESCRIPTION	SOIL CLASS	10	15	20	25	WELL DATA
22	BX57-0122	20-22		1.5		@20-22' - See Above Description - moist @ bottom	SP					3
24		22-24		1.6		@22-24' - cmf SAND, poorly graded, wet, loose, olive brown, subrounded	SP					6
26		24-26		1.5		@24-26' - See Above Description	SP					3
28		26-28		1.4		@26-28' - cmf SAND, poorly graded, < 5% gravel, wet, v. loose, olive brown, subrounded	SP					2
30		28-30		1.2		@28-30' - See Above Description	SP					2
32						END OF BORING @ 30 FEET						3
34												13
36												
38												
40												

SOIL BORING LOG

Study Area: A06 57
 Boring No.: 57M-95-02X
 Protection: D
 Completed: 9/29/95
 PI Meter: TE 580A OVM
 Total Depth: 25'
 Below Ground: 17.23'
 Page 1 of 2

Client: USATHAMA Project No. 9144-02
 Contractor: D. i. Maher Date Started: 9/29/95
 Method: 6 1/4" HSA Casing Size: 4" 0.00 6.010" 57M-95-02X PVC
 Ground Elev.: Soil Drilled: 25'
 Logged by: Jim Checked by:
 Screen: 24-14 (ft.) Riser: 14" bgs (ft.) Diam: 4" (ID) Material: PVC

-2.5 # ags

DEPTH NOT TO SCALE

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH (FT)	CLP/SCREENING	RECOVERY (FT)	PID (ppm)	SOIL/ROCK DESCRIPTION	SOIL CLASS	BLOWS/6-IN.	WELL DATA	LITHOLOGY	ELEVATION (FT.)
0		0-2		1.3	0.0	Gravelly, silty, f to m SAND, very well graded, 100% c gravel to 2" max (schist fragments), 100% f gravel, 10-15% c sand, 20% silt, med dense, damp, dk brown, subrounded to subangular, "earthy" smell.	MS	9 11 12 9			
2											
5		5-7		1.7	0.0	Top 0.4': Gravelly, silty f to m SAND, as in 0-2' interval. Bottom 1.3': F to m SAND, well graded, 5% c sand, & 15% silt, loose, damp, tan.	MS MS	2 3 2 4			
7											
10		10-12		1.9	0.0	M SAND, well graded, 100% f gravel, 50% c sand, 5-10% f sand, 10% silt, loose, damp, tan, subangular.	MS-SM	4 4 10 8			
12											
15		15-17		1.4	0.0	M SAND, well graded, 20% c sand, 100% f sand, 50% silt, loose, moist to damp, tan, subangular.	MS-SM	4 5 5 6			
17		17-19		1.6	0.0	M SAND, well graded, 5% c sand, 5-10% f sand, <5% silt, loose, saturated, tan, subangular.	MS	2 5 10 1 1/2			
19											

PROPORTIONS

(-) AMOUNT (+)

ABBREVIATIONS

Trace (tr) 0-10%
 Little (ll) 10-20%
 Some (so) 20-35%
 and 35-50%

f = fine gr = gray MS = Split Spoon
 m = medium bn = brown BW = Screened Auger
 c = coarse blk = black HP = Hydropunch

SOIL BORING LOG

Study Area: AOC 57

Boring No.: 57-M-95-02

Client: USATHAMA

Project No. 9144-02

Protection: D

Contractor: D.L. Maher

Date Started: 9/29/95

Completed: 9/29/95

Method: 6 1/4" (FD) HSA

Casing Size: 4"

PI Meter: TE 580 A OVM

Ground Elev.:

Soil Drilled: 25'

Total Depth: 25'

Logged by: SJM

Checked by:

Below Ground: 17.23'

Screen: 24'-14' (ft.)

Riser: 14' bgs (ft.)

Diam: 4" (ID)

Material: PVC 2.010" s/bt

Page 2 of: 2

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH (FT)	CLP/SCREENING	RECOVERY (FT)	PID (ppm)	SOIL/ROCK DESCRIPTION	SOIL CLASS	BLOWS/6-IN.	WELL DATA	LITHOLOGY	ELEVATION (FT.)
19	612029	19-21		1.4	0.0	M SAND, as in 17-19' interval.	MS	4 5 9 15			
21											
25											
						<ul style="list-style-type: none"> - Augers advanced to 25' bgs. - Spoons driven to 21' bgs. - Screen at 24'-14' bgs. - Riser from 14' bgs to 2.5' ags 					

PROPORTIONS

(-) AMOUNT (+)

ABBREVIATIONS

Trace (tr)
 Little (ll)
 Some (so)
 and

0-10%
 10-20%
 20-35%
 35-50%

f = fine
 m = medium
 c = coarse
 gr = gray
 bn = brown
 blk = black

MS = Split Spoon
 BW = Screened Auger
 HP = Hydropunch

SOIL BORING LOG

Study Area: A/C 57

Boring No.: 57M-95-03X

Client: USATHAMA

Project No. 9144-02

Protection: D

Contractor: D.L. MAHER

Date Started: 10-3-95

Completed: 10-3-95

Method: 6 1/2" (CD) HSA

Casing Size: 6" steel

PI Meter: TE 500B OVM

Ground Elev.:

Soil Drilled: 18 FT.

Total Depth: 18 FT.

Logged by: S.M.

Checked by:

Below Ground: 10.2 FT.

Screen: 10" (ft.)

Riser: 9.5 (ft.)

Diam: 4" (ID)

Material: Sched. 40 PVC

Page 1 of: 2

DEPTH NOT TO SCALE

DEPTH (FT.)	SAMPLE NUMBER	SAMPLE DEPTH (FT.)	CLP/SCREENING	RECOVERY (FT.)	PID (ppm)	SOIL/ROCK DESCRIPTION	SOIL CLASS	BLOWS/6-IN.	WELL DATA	LITHOLOGY	ELEVATION (FT.)
0		0-2		1.4	0.0	Silty f SAND, well graded, 2% c sand, 30% m sand, 30% silt, nonplastic, loose, dry, brown.	SM	2 4 8 13			
2		2-4		1.3	0.0	Silty f SAND, well graded, 10% f gravel, 2% c sand, 20% m sand, 30% silt nonplastic, loose, dry, brown.	SM	11 9 14 10			
4		4-6		1.9	0.0	TOP 1.4': Gravelly, silty f SAND, well graded, 10% vc gravel to 1/2" max, 50% f gravel, 10% c sand, 15-20% m sand, 30% silt, nonplastic, loose, dry to damp, brown. BOTTOM 1.5': Silty f SAND, moderately graded, 20% silt, nonplastic, loose, damp, yellowish tan.	SM	4 9 15 10			
6		6-8		1.8	0.0	Silty f SAND, moderately graded, 10-15% silt, nonplastic, loose, damp, tan.	SM	4 7 9 7			
8		8-10		1.6	0.0	Silty f to m SAND, well graded, 100% silt, nonplastic, loose, moist, light grayish tan, non-colored staining (rust) - thin, faint laminations visible.	MS-SM	5 7 8 6			
10	MXS10310	10-12		1.6	4.2	Silty f SAND, 20% m sand, 15% silt, nonplastic, loose, saturated, light grayish tan, very strong petroleum odor.	SM	5 6 5 8			
12											

PROPORTIONS

(-) AMOUNT (+)

ABBREVIATIONS

Trace (tr)

0-10%

f = fine

gr = gray

MS = Split Spoon

Little (ll)

10-20%

m = medium

bn = brown

BW = Screened Auger

Some (so)

20-35%

c = coarse

blk = black

HP = Hydropunch

and

35-50%

SOIL BORING LOG

Study Area: AOC-57
 Boring No.: 57M-95-03X
 Protection: D
 Completed: 10-3-95
 PI Meter: TE 580 B OVM
 Total Depth: 18 FT.
☒ Below Ground: 10.2 FT.
 Page 2 of: 2

Client: USATHAMA Project No. 9144-02
 Contractor: D.L. MAHER Date Started: 10-3-95
 Method: 6 1/2" (ID) HSA Casing Size: 6" steel
 Ground Elev.: Soil Drilled: 18 FT.
 Logged by: S. Montgomery Checked by:
 Screen: 10 (ft.) Riser: 9 5 (ft.) Diam: 4" (ID) Material: Sched. 40 P.V.C.

DEPTH NOT TO SCALE

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH (FT)	CLP/SCREENING	RECOVERY (FT)	PID (ppm)	SOIL/ROCK DESCRIPTION	SOIL CLASS	BLOWS/6-IN.	WELL DATA	LITHOLOGY	ELEVATION (FT.)
12		12-14		1.6	2.3	Silty f SAND, well graded, 50% m sand, 10% silt, nonplastic, loose, saturated, lt. grayish tan, rust-colored staining 0.6' from bottom of spoon, strong petroleum odor.	SW-SM	61 71 61 61			
14		14-16		1.6	15.4	Silty f SAND moderately graded, 100% silt, med. dense, saturated, lt. grayish tan, strong petroleum odor.	SW-SM	21 91 91 11			
16		16-18		1.7	13.5	Silty f SAND as in 14-16' interval, but very dense.	SW-SM	31 31 51 21			
18						Augers and spoons advanced to 18 ft logs					

PROPORTIONS (-) AMOUNT (+) ABBREVIATIONS
 Trace (tr) 0-10% f = fine gr = gray MS = Split Spoon
 Little (ll) 10-20% m = medium bn = brown BW = Screened Auger
 Some (so) 20-35% c = coarse blk = black HP = Hydropunch
 and 35-50%

SOIL BORING LOG

Client: USAEC		Project No. C9144-02		Study Area: AOC 57
Contractor: D.L. MAHER		Date Started: 10/4/95		Boring No.: 57M-95-04A
Method: H.S.A		Casing Size: 6" steel		Protection: MODIFIED D
Ground Elev.: 		Soil Drilled: 13 FEET		Completed: 10/4/95
Logged by: G. EMLSETH		Checked by: 		PI Meter: 580A TEST 16
Screen: 10 (ft.)		Riser: 4 (ft.)		Total Depth: 13 FEET
Diam: 4 (ID)		Material: PVC		<input checked="" type="checkbox"/> Below Ground: 2 FEET
Page 1		of 1		

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	ON-SITE SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK/DISCHARGE WATER DESCRIPTION	SOIL CLASS	WELL DATA
2	BX57 0401	1.5-		1.6	0.2	Top 0.5 foot - Sandy, organic SILT, 10-15% mf Sand, 25% organics, low plasticity, damp to moist, very soft, dark brown	DL	
4		3.5				Bottom 1.1 foot - mf SAND, poorly graded 50% fine gravel, moist to wet (1/2 - 2 feet), very loose, subangular dark yellowish brown to grayish brown, slight fuel odor.	SP	
6								
8								
10								
12								
14						END OF BORING @ 13 FEET		
16								
18								
20								

SOIL BORING LOG

Study Area: AOC 57

Boring No.: 57M-95-04/B (2)

Client: USPEC

Project No. 09144-02

Protection: MODIFIED D

Contractor: D.L. MAHER

Date Started: 10/3/95

Completed: 10/3/95

Method: H.S.A.

Casing Size: 6" steel (EPA)

PI Meter: 580A TB #16

Ground Elev.:

Soil Drilled: 30 FEET

Total Depth: 32 FEET

Logged by: G. GULSTEN

Checked by:

Below Ground: 2 FEET

Screen: 10 (ft.)

Riser: 21 (ft.)

Diam: 4 (ID)

Material: PVC

Page 1 of 2

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	ON-SITE SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK/DISCHARGE WATER DESCRIPTION	SOIL CLASS	WELL DATA
0-2	BX57 0402	0-2		0.5	0.2 (Back-ground)	0-2 ft. medium to fine SAND and organic SILT, poorly graded, 5-10% coarse Sand, low plasticity, damp, very loose, yellowish brown and dark brown.	OL SP	1 2
2-4		2-4		1.6	0.2	Top 0.4 ft. mf sandy SILT, poorly graded, 25-30% mf SAND, low plasticity, moist, very loose, dk. brown Bottom 1.2 ft. cmf SAND, poorly graded, moist to wet ($\frac{1}{2}$ = 3 feet), loose, subrounded, yellowish brown	ML SP	4 5 12 16
5-7		5-7		2.0	0.2	5-7 ft. cmf SAND, poorly graded, 5% fine gravel, wet, loose, yellowish brown to dark yellowish brown, subrounded	SP	8 11 14 21
10-12		10-12		1.5	0.2	Cuttings dk. gray SAND Cuttings to yellowish brown SAND cm SAND, poorly graded, 5-10% gravel, wet, loose, yellowish brown, subangular	SP	6 8 15 18
15-17		15-17		2.0	0.2	Cuttings as above See Above Description - Some fine Sand (15%) Cuttings as Above	SP	8 17 24 32

SOIL BORING LOG

Study Area: AOC 57

Boring No.: 57M-95-04A/B

(22)

Client: USAEC

Project No. C914A-02

Protection: MODIFIED D

Contractor: D.L. MAHER

Date Started: 10/3/95

Completed: 10/3/95

Method: H.S.A.

Casing Size: 6" steel (gm)

PI Meter: 580A TE#16

Ground Elev.:

Soil Drilled: 30 FEET

Total Depth: 32 FEET

Logged by: G. GUNSETH

Checked by:

Below Ground: 2 FEET

Screen: 10 (ft.)

Riser: 21 (ft.)

Diam: 4 (ID)

Material: PVC

Page 2 of 2

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	ON-SITE SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK/DISCHARGE WATER DESCRIPTION	SOIL CLASS	WELL DATA
22		20-22		1.4	0.2	cmf SAND, poorly graded, 5-10% fine to med. gravel, wet, very loose, yellowish brown, subangular	SP	5 4 5
24						Cuttings As Above		
26		25-27		1.0	0.2	cmf SAND, poorly graded (finer than above), wet, loose, yellowish brown, subangular	SP	6 12 14 21
28						Cuttings As Above		
30		30-32		1.3	0.2	See Above Description	SP	2 3 3 5
32						END OF BORING @ 32 FEET		
34								
36								
38								
40								

SOIL BORING LOG

Study Area: AOC 57

Boring No.: 57M-95-05X

Client: USATHAMA

Project No. 9144-02

Protection: D

Contractor: D.L. MAHER

Date Started: 10-3-95

Completed: 10-3-95

Method: 6 1/2" (ID) HSA

Casing Size: 6" steel

PI Meter: TE580 B OVM

Ground Elev.:

Soil Drilled: 20'

Total Depth: 20'

Logged by: S. Montgomery

Checked by:

Below Ground: 13.2'

Screen: 10 (ft.)

Riser: 10+2.5 (ft.)

Diam: 4" (ID)

Material: Schedule 40

Page 1 of 1

DEPTH NOT TO SCALE

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH (FT)	CLP/SCREENING	RECOVERY (FT)	PID (ppm)	SOIL/ROCK DESCRIPTION	SOIL CLASS	BLOWS/6-IN.	WELL DATA	LITHOLOGY	ELEVATION (FT.)
0		0-2		1.4	0.0	Gravelly, silty f to m SAND, 10% c gravel to 1/2" max; very well graded; 10% f gravel; 5-10% c sand; 15% silt; nonplastic; loose, damp; yellowish brown.	SM	3 7 18 5			
5		5-7		1.8	0.0	TOP 0.8': Gravelly silty f to m SAND, as in 0-2' interval. BOTTOM 1.0': M SAND well graded, 15% f sand, 5-12% silt; nonplastic, loose, damp, tan.	SM	2 4 16 7 1			
10		10-12		1.7	0.0	M SAND, as in bottom 1.0' of 5-7' spm.	SM	5 7 9 8 1			
12		12-14		1.7	0.4	M SAND, well graded, 15% f sand, 5-12% silt; nonplastic, med dense, moist to wet; bottom 0.1' is saturated tan.	SM	12 6 8 10			
14	MX570514	14-16		1.7	0.4	M SAND, as in 12-14' interval, but saturated. Blue-colored staining in upper 0.4'.	SM	5 16 8 10			
16						Spoons driven to 16' logs Augers advanced to 20' logs					

PROPORTIONS

(-) AMOUNT (+)

Trace (tr)

0-10%

Little (ll)

10-20%

Some (so)

20-35%

and

35-50%

ABBREVIATIONS

f = fine

gr = gray

MS = Split Spoon

m = medium

bn = brown

BW = Screened Auger

c = coarse

blk = black

HP = Hydropunch

SOIL BORING LOG

Client: USAEC		Project No. 09144-02		Study Area: AOC 57	
Contractor: D.L. MAHER		Date Started: 10/4/95		Boring No.: 57M-95-06X	
Method: H.S.A.		Casing Size:		Protection: MODIFIED D	
Ground Elev.:		Soil Drilled: 23 FEET		Completed: 10/4/95	
Logged by: G. Gulserh		Checked by:		PI Meter: 580A TE#16	
Screen: 10 (ft.)		Riser: 11.87 (ft.)		Total Depth: 23 FEET	
Diam: 4" (ID)		Material: Sched. 40		Below Ground: >23 FEET	
Page 1 of 1					

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	ON-SITE SCREENING	RECOVERY (FEET)	PID (ppm)	SOIL/ROCK/DISCHARGE WATER DESCRIPTION	SOIL CLASS	5	10	15	20	25	WELL DATA
2		0-2		1.8	0.2	Top 1.4 feet - mf silty SAND, poorly graded, 30-35% Silt @ top then decreasing with depth, 10% organics, damp, loose, dark brown subrounded Bottom 0.4 feet - cmf SAND, poorly graded, 5% Silt, damp, loose, dark yellowish brown, subrounded Note: Black layer ~ 1 inch thick @ 1.1 ft bgs no odor noted	SM						20 16 17
4							SP						
6		5-7		1.1	0.2	Fine SAND, poorly graded, 10-15% medium sand, damp, very loose, brownish yellow, subrounded	SP						3 4 5 7
8													
10		10-12		1.8	0.2	See Above Description. Sample is at net (1/2 ~ 15 feet bgs) at some medium Sand (25%)	SP						8 9 6 8
12													
14													
16		15-17		1.8	0.2	Fine to medium SAND, poorly graded, wet, very loose, brownish yellow, subrounded (1/2 ~ 15 feet)	SP						4 4 7 9
18													
20		20-23		1.8	0.2	Fine sand, poorly graded, wet, very loose, yellowish brown.	SP						
								4	4	7	9		

END OF BORING @ 23 feet.

SOIL BORING LOG

Client: U.S. Army Environmental Center Project No. 9144-02		Study Area: ACC 57
Contractor: D.L. Maher		Boring No.: 57M-95-07X
Date Started: 10-5-95		Protection: D
Method: 6 5/8" (ID) HSA's		Completed: 10-5-95
Casing Size: 6" steel		PI Meter: TE SCOB OVM
Ground Elev.: Soil Drilled: 14'		Total Depth: 14'
Logged by: S. Montgomery		Below Ground: 3.17'
Screen: 10 (ft.)	Riser: 3 + 1.2 (ft.)	Material: Schedule 40 AC
Diam: 4" (ID)		Page 1 of 2

DEPTH NOT TO SCALE

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH (FT)	ON-SITE SCREENING	RECOVERY (%)	PID (ppm)	SOIL/ROCK/DISCHARGE WATER DESCRIPTION	SOIL CLASS	WELL DATA
0		0-2		1.3	8.7	Top 0.7': Silty f to m SAND, well graded, 20% c sand, 15% silt, loose, damp, yellowish brown, organic matter. Next 0.4': Sandy SILT, well graded, 15% f sand, slightly plastic, soft, moist, brownish black, organic matter. Bottom 0.2': Silty f SAND, well graded, 35% silt, slightly plastic, loose, moist to wet, yellowish brown.	SM	1 2 1 1
2		2-4		1.3	4.9	Top 0.4': Silty f SAND, as in bottom 0.2' of 0-2' interval. Bottom 0.9': Gravelly, silty med. SAND, well graded, 15% c gravel to 1" max., 10% f gravel, 10% c sand, 15% f sand, 10% silt, med dense, wet, yellowish brown.	SM	1 5 10 12
4	BX570704	4-6	BFS10704 MF570703	1.4	0.0	Silty f to m SAND, well graded, 20% c sand, 10% silt, nonplastic, med. dense, saturated, tan, rust-colored staining in upper 0.3' of section.	SW-SM	4 15 11 14
6		6-8		1.1	4.2	M SAND, well graded, 10% c sand, 15% f sand, 5% silt, loose, saturated, yellowish tan.	SW-SM	1 1 9 13
8		8-10		1.4	1.1	M SAND, as in 6-8' interval.	SW-SM	1 5 16 16
10								

SOIL BORING LOG

~~Study Area:~~ ACC 57

Boring No.: 57M-95-07X

Client: U.S. Army Environmental Center Project No. 9144-02

Protection: 72

Contractor: D.L. Maizer

Date Started: 10-5-95

Completed: 10-5-95

Method: $6\frac{5}{8}"$ (ID) HSAs

Casing Size: 6" steel

PI Meter: TE SCOB OVM

Ground Elev.:

Soil Drilled: 14'

Total Depth: 14'

Logged by: S. Montanari

Checked by:

Below Ground: 3.17'

Screen: 10 (ft.)

Riser; ~~3' - 4'~~ (ft.)

Diam: 4" (ID)

Material: Schedule 40
PVC

Page 2 of: 2

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH (FT)	ON-SITE SCREENING 3' + 1.2'	RECOVERY (FT)	PID (ppm)	SOIL/ROCK/DISCHARGE WATER DESCRIPTION	SOIL CLASS	WELL DATA
10		10-12	1.0	3.4		Silty f to m SAND, well graded, 10% silt, nonplastic, loose, saturated, yellowish tan.	SW-SM	5 7 9 13
12		12-14	0.2	0.3		Silty f to m SAND, well graded, 5% of gravel, 5% c sand, 15% silt, loose, saturated, yellowish tan	SW-SM SM	1 5 10 17
14						Augers and spacers advanced to 14 ft. logs.		

-ABB Environmental Services, Inc.-

SOIL BORING LOG

Client: U.S. Army Environmental Center		Project No. 9144-02	Study Area: ACC 57
Contractor: D.L. Maher		Date Started: 10/1/05	Boring No.: STM-95-DBA
Method: 6 5/8" (20) HSAs		Casing Size: 6" steel	Protection: T
Ground Elev.: 15'		Soil Drilled: 15'	Completed: 10/1/05
Logged by: S. Montgomery		Checked by:	PI Meter: TE 500B OVM
Screen: 10 (ft.)		Riser: 3' (ft.)	Total Depth: 15'
Diam: 4" (ID)		Material: schedule 40 PVC	Below Ground: 4.27'
Page 1 of 1			

DEPTH NOT TO SCALE

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH (FT)	ON SITE SCREENING	RECOVERY (FT)	PID (ppm)	SOIL/ROCK/DISCHARGE WATER DESCRIPTION	SOIL CLASS	WELL DATA
0						- refer to soil boring log for adjacent monitoring well STM-95-DBB for lithology		
7	BK578-407	7-9		1.9	0.0	Silty f to m SAND, well graded, 10% silt, nonplastic, loose, saturated, tan.	SW - SM	5 5 7 5
9						- refer to soil boring log for adjacent monitoring well STM-95-DBB for lithology		
15						- One split spoon driven from 7-9' bags - - Augers advanced to 15' bags		

SOIL BORING LOG

Client: U.S. Army Environmental Center		Project No. 9144-02	Study Area: ACC 57
Contractor: D.L. Maher		Date Started: 10-6-75	Boring No.: STM-95-08B
Method: 6 5/8" (ID) HSA		Casing Size: 6" steel	Protection: TD
Ground Elev.:		Soil Drilled: 30'	Completed: 10-10-75
Logged by: S. Montgomery		Checked by:	PI Meter: TE 580B OVM
Screen: 10 (ft.) Riser: 18' (ft.)		Diam: 4" (ID)	Total Depth: 30'
		Material: schedule 40 PVC	Below Ground: 3.67'
			Page 1 of 3

DEPTH NOT TO SCALE

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH (FT)	ON-SITE SCREENING	RECOVERY (FT)	PID (ppm)	SOIL/ROCK/DISCHARGE WATER DESCRIPTION	SOIL CLASS	WELL DATA
0		0-2		1.3	0.0	Top 0.6': Silty f to m SAND, well graded, 5% c/sand, 30% silt, loose, damp, dk. brown, organic matter. Bottom 0.7': Silty f SAND, 5% c/sand, 40% silt, slightly plastic, loose, moist to wet, dk. brown to black.	SM	1 2 1 0
2		2-4		1.7	1.1	Top 1.1': Silty m SAND, well graded, 25% f sand, 15% silt, loose, moist to wet, brown. Bottom 0.6': Silty f SAND, well graded, 20% silt, loose, wet, olive/tan.	SM	2 5 7 10
4	BK578B04	4-6	BK578B04 MEST8B04	1.5	0.0	Silty f SAND as in bottom 0.6' of 2-4' interval, but saturated.	SM	5 10 12 11
6		6-8		1.4	0.0	Silty f to m SAND, well graded, 10% silt, loose, saturated, tan with orange staining 0.4' from bottom of interval, faint laminations visible.	SW-SM	5 10 6 6
8		8-10		1.6	0.0	Silty m SAND, well graded, 15% f sand, 10% silt, loose, saturated, tan.	SW-SM	5 6 7 7
10								

SOIL BORING LOG

Client: U.S. Army Environmental Center		Project No. 9144-02	Study Area: ALC 57
Contractor: D.L. Maher		Date Started: 10-6-95	Boring No.: 57M-95-06B
Method: 6 5/8" (ID) HSA		Casing Size: 6" steel	Protection: TD
Ground Elev.:		Soil Drilled: 30'	Completed: 10-10-95
Logged by: S. Montgomery		Checked by:	PI Meter: TE SGOB OVM
Screen: 10 (ft.) Riser: 18' (ft.)		Diam: 4" (ID)	Total Depth: 30'
		Material: Schedule 40 PVC	Below Ground: 3.67'
			Page 2 of 3

DEPTH NOT TO SCALE

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH (FT)	ON-SITE SCREENING	RECOVERY (FT)	PID (ppm)	SOIL/ROCK/DISCHARGE WATER DESCRIPTION	SOIL CLASS	WELL DATA
10		10-12		1.5'	0.0	Top 0.8': Silty m SAND, as in 8'-10' interval. Bottom 0.7': Silty f SAND, moderately graded, 15-20% silt, nonplastic, loose, saturated, tan with orange staining.	SW-SM	5 6 6 6
12		12-14		1.5	0.0	Silty f SAND, moderately graded, 15-20% silt, nonplastic, loose, saturated, tan.	SM	5 5 7 10
14		14-16		1.5	0.0	Silty f to m SAND, well graded, 15% silt, loose, saturated, tan, dark gray streaks 0.8' from bottom of interval.	SM	4 5 16 16
16		16-18		1.8	0.0	Silty f SAND, well graded, 10% m sand, 15% silt, med dense, saturated, tan.	SM	3 11 12 14
18		18-20		0.8	0.0	Silty f SAND, moderately graded, 20% silt, loose, saturated, tan.	SM	1 2 5 5
20		20-22		0.9	0.0	Silty f SAND, well graded, 15% m sand, 20% silt, loose, saturated, tan.	SM	1 1 12 6
22		22-24		1.4	0.0	Silty f to m SAND, well graded, 15% silt, med. dense, saturated, tan with orange discoloration between 22.0' and 23.2'.	SM	6 7 5 10
24		24-26		0.0	N/A	— no recovery —	N/A	3 3 3 4
26								

SOIL BORING LOG

Study Area: ACC 57

Boring No.: 57M-95-08B

Client: U.S. Army Environmental Center Project No. 9144-02

Protection: D

Contractor: D.L. Maher

Date Started: 10-6-95

Completed: 10-10-95

Method: 6 5/8" (20) HSA

Casing Size: 6" steel

PI Meter: TE 550B OVM

Ground Elev.:

Soil Drilled: 30'

Total Depth: 30'

Logged by: S. Montgomery

Checked by:

Below Ground: 3.67'

Screen: 10 (ft.)

Riser: 18' (ft.)

Diam: 4" (ID)

Material: Schedule 40 A/C

Page 3 of 3

DEPTH NOT TO SCALE

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH (FT)	ON-SITE SCREENING	RECOVERY (FT)	PID (ppm)	SOIL/ROCK/DISCHARGE WATER DESCRIPTION	SOIL CLASS	WELL DATA
26		26-28		1.0	0.0	Silty f to m SAND as in 22'-24' interval. Bottom 0.2' is discolored (rust-colored staining).	SM	5 4 6 7
28		28-30		1.3	0.0	Silty f SAND, moderately graded, 150% silt, loose, saturated, tan.	SM	4 5 6 8
30						Split spigots and augers advanced to 30 ft. bes.		

SOIL BORING LOG

Client: USACE		Project No. 9144-08		Study Area: AOC 57	
Contractor: NHB		Date Started: 8.27.96		Boring No.: 57M-96-09X	
Method: 4.25" HSA		Casing Size: -		Protection: Med. D	
Ground Elev.: -		Soil Drilled: 21.0 FT		Completed: 8.27.96	
Logged by: R.M. McCoy		Checked by: RRR		PI Meter: TE SSB OUM	
Screen: 10 (ft.)		Riser: 15 (ft.)		Total Depth: 21.0' bgs	
Diam: 2" (ID)		Material: PRC		Below Ground: ~14.0' bgs	
				Page 1 of: 1	

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	ON-SITE SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK/DISCHARGE WATER DESCRIPTION	SOIL CLASS	WELL DATA
2	CNSITE	0 TO 2	BF57092C	0.6 / 2.0	0.0	fine SAND, poorly graded, ~20% fines, trace gravel, non-plastic, dry, loose, dark to light brown.	SM	4/8/5/4
4	CNSITE	4 TO 6	BF570904	1.1 / 2.0	0.0	f-m SAND, poorly graded, <10% fines, non-plastic, dry, loose, Light brown.	SP SM	5/8/5/11
10	CNSITE	9 TO 11	BF570907	1.3 / 2.0	0.0	f. SAND, poorly graded, ~5% fines, non-plastic, dry to slightly damp, loose, light brown to light reddish brown.	SP	5/8/5/5
14	CNSITE/ SUCAL Grain Size	14 TO 16	BF570914	1.8 / 2.0	0.0	SAME AS ABOVE, moist to SATURATED (V) ~14.0' bgs	SP	10/12/12/14
20	CNSITE & WATER SAMPLE	19 TO 21	BF570919	1.8 / 2.0	0.0	f. SAND, v. poorly graded, ~5% fines, no gravel, Med. loose, non-plastic, SATURATED, light brown.	SP	7/6/6/8
						30.8 = 21.0' bgs (Not Refusal)		

SEE WELL INSTALLATION DIAGRAM

SOIL BORING LOG
PROJECT OPERATIONS PLAN
FORT DEVENS, MASSACHUSETTS

ABB Environmental Services, Inc.

SOIL BORING LOG

Client: <u>USAEC</u>		Project No. <u>94408</u>		Study Area: <u>ACC 57</u>
Contractor: <u>NHB</u>		Date Started: <u>8/30/96</u>		Boring No.: <u>57A-96-10X</u>
Method: <u>HSA 4.25"</u>		Casing Size: <u>4 1/4" ID 7" O.D.</u>		Protection: <u>NOD</u>
Ground Elev.: <u></u>		Soil Drilled: <u>13'</u>		Completed: <u>8/30/96</u>
Logged by: <u>HKW</u>		Checked by: <u>RRTZ</u>		PI Meter: <u>TE 5800 OVR</u>
Screen: <u>10 (ft.)</u>		Riser: <u>5 (ft.)</u>		Total Depth: <u>13'</u>
Diam: <u>2" (ID)</u>		Material: <u>PVC</u>		Below Ground: <u>~5.5'</u>
Page <u>1</u> of: <u>1</u>				

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	ON SITE SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK/DISCHARGE WATER DESCRIPTION	SOIL CLASS	WELL DATA
2								
4								
6	70C, G.S.	5-7 NO	1.4	0		TAN TO BRN SILTY FINE SAND ~25% SMT. LOOSELY SATURATED AT 5.0' REL. 1A'	(SP)	656 S
8							(SM)	
10								
12								
						SCREENED w/ PVC 3-13' SAND 2-13' BENTONITE TO SURFACE END OF BORING - 13'		

SOIL BORING LOG
PROJECT OPERATIONS PLAN
FORT DEVENS, MASSACHUSETTS

ABB Environmental Services, Inc.

SOIL BORING LOG

Client: <u>USACE</u>		Project No. <u>9144.08</u>		Study Area: <u>ACC 57</u>
Contractor: <u>NXB</u>		Date Started: <u>9/14/96</u> <u>8/30/96</u>		Boring No.: <u>57A 96-11X</u>
Method: <u>NXB 1 1/4" ID.</u>		Casing Size: <u> </u>		Protection: <u>1400 D</u>
Ground Elev.: <u> </u>		Soil Drilled: <u>12'</u>		Completed: <u>8/30/96</u>
Logged by: <u>HXL</u>		Checked by: <u>RRT</u>		PI Meter: <u>TE 5808 OVM</u>
Screen: <u>10 (ft.)</u>		Riser: <u>2 (ft.)</u>		Total Depth: <u>12'</u>
Diam: <u>2 (ID)</u>		Material: <u>PVC</u>		Below Ground: <u>~8'</u>
Page <u>1</u> of <u>1</u>				

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	ON SITE SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK/DISCHARGE WATER DESCRIPTION	SOIL CLASS	WELL DATA
2								2
4								
6	TOL, G.S.	5-7	NO	1.3'	0.4	TRIN SIXTY FIVE SAND ~25% SILT (P) LOOSE, SATURATED (P)	SP-6688	
8						(P) (SM)		
10								
12						END OF BORING AT 12' BLS SCREENED WELL 2-12' SAND 1 1/2-12' BASTITE 0-1.5'		12

SOIL BORING LOG
PROJECT OPERATIONS PLAN
FORT DEVENS, MASSACHUSETTS

ABB Environmental Services, Inc.

SOIL BORING LOG

Study Area: ACC 57

Boring No.: 57M-96-12X

Client: USACE

Project No. 9/44.08

Protection: 1407.17

Contractor: NHB

Date Started: 8/29/96

Completed: 8/29/96

Method: 4.25' HSA

Casing Size: -

PI Meter: TE 64MB 5808 OVA

Ground Elev.: -

Soil Drilled: 12.0'

Total Depth: 12'

Logged by: H/KW

Checked by: R/RZ

☒ Below Ground: ~ 2 FT.

Screen: 10 (ft.)

Riser: 5 (ft.)

Diam: 2" (ID)

Material: PVC

Page 1 of 1

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	ON-SITE SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK/DISCHARGE WATER DESCRIPTION	SOIL CLASS	WELL DATA
2								-2'
4								
6	<u>5-7 NO</u>			<u>1.5</u>	<u>0</u>	<u>BRN FINE SAND W/ SILT (~80%)</u> <u>SATURATED</u> <u>LOOSE</u> <u>2" SPOON</u>	<u>SP</u> <u>SM</u> <u>PA</u>	<u>10 10 12 12</u>
8								
10						<u>CUTTINGS INDICATE</u> <u>LT. BRN SILTY FINE SAND</u> <u>(~30% SILT)</u>	<u>SM</u>	
12						<u>END OF BORING AT 12'</u> <u>WELL INSTALLED</u> <u>SCREENED 2-12'</u> <u>SAND 1.5'-12'</u> <u>DETERMITE 0-1.5'</u> <u>WATER SAMPLE COLLECTED</u> <u>FOR ON-SITE SCREENING</u> <u>(GL)</u>		-12'

SOIL BORING LOG
PROJECT OPERATIONS PLAN
FORT DEVENS, MASSACHUSETTS

ABB Environmental Services, Inc.

SOIL BORING LOG

Client: <u>USACE</u>		Project No. <u>9144.02</u>		Study Area: <u>AOC 57</u>	
Contractor: <u>NHB</u>		Date Started: <u>8/29/96</u>		Boring No.: <u>57M-96-13X</u>	
Method: <u>4.25 HSA</u>		Casing Size: <u>—</u>		Protection: <u>MCD D</u>	
Ground Elev.: <u>—</u>		Soil Drilled: <u>12.0'</u>		Completed: <u>8/29/96</u>	
Logged by: <u>HRW</u>		Checked by: <u>RRR</u>		PI Meter: <u>TE 5808 CLR</u>	
Screen: <u>10</u> (ft.)		Riser: <u>5</u> (ft.)		Total Depth: <u>12'</u>	
		Diam: <u>2"</u> (ID)		Below Ground: <u>2.5'</u>	
		Material: <u>PRC</u>		Page <u>1</u> of <u>1</u>	

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	ON-SITE SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK/DISCHARGE WATER DESCRIPTION	SOIL CLASS	WELL DATA
2								-2'
4	-	4-6' PO	1.5	0		TAN FINE SAND W/ SILT (~30%) SATURATED 2" SPOON LOOSE	(SM)	6 6 7 9
6								
8						CUTTINGS INDICATE SILT AT DEPTH (~30% SILT)	(SM)	
10								
12						END OF BORING AT 12' WELL INSTALLED SCREENED 2-12' SAND 1.5-12' BENTONITE 0-15' WATER SAMPLE COLLECTED FOR ON-SITE SCREENING (6C)		-12'

SOIL BORING LOG
PROJECT OPERATIONS PLAN
FORT DEVENS, MASSACHUSETTS

ABB Environmental Services, Inc.

SOIL BORING LOG

Study Area: ACC 57

Boring No.: 57P-95-01A, -01B

Client: U.S. Army Environmental Center Project No. 9144-02

Protection: D

Contractor: D.L. Maher Date Started: 10-11-95

Completed: 10-11-95

Method: (6 3/8" ID) HSA Casing Size: 6" steel

PI Meter: TE 550 OVM

Ground Elev.: Soil Drilled: 15'

Total Depth: 15 ft. 17 ft.

Logged by: S. Montgomery Checked by:

Below Ground: 3.03'

Screen: 5+5 ft. Riser: 10'+1' (ft.) Diam: 1" (ID) Material: Schedule 40 PVC

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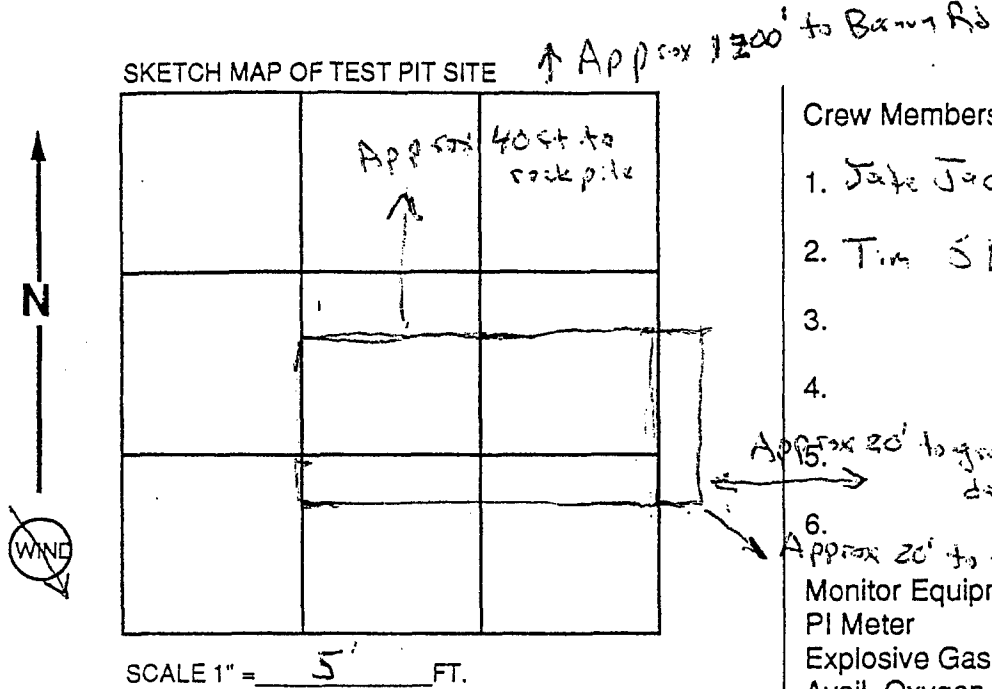
DEPTH NOT TO SCALE

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH (FT)	ON SITE SCREENING	RECOVERY (FT)	PID (ppm)	SOIL/ROCK/DISCHARGE WATER DESCRIPTION	SOIL CLASS	WELL DATA
0		0-2'		1.2	0.0	Silty f to m SAND, well graded, 2% f gravel, 10% c sand, 10% silt, nonplastic, loose, moist, tan, 1" thick layer pinkish tan layer 0.7' from bottom of interval. rust-colored staining in bottom 3"	WS-SM	2 3 3 2
5		5-7'	PF570105	1.7	0.0	Silty f to m SAND, well graded, 10-15% silt, nonplastic, loose, saturated, tan. Decaying root (1/4" thick) at 1.2' from bottom of interval. Rust-colored staining in bottom 0.2'	WS-SM	6 7 10 11
10		10-12'		1.5	0.0	Silty f to m SAND, well graded, 5-10% c sand, 20% silt, nonplastic, medium dense, saturated, tan, micaceous (10% medium to coarse sand sized flakes of muscovite).	WS	7 7 11 10
15		15-17'		1.4	0.0	Silty m SAND, well graded, 2% f sand, 10-15% silt nonplastic, medium dense, saturated, tan	WS-SM	7 10 12 14
17						Augers advanced to 15 ft. Spans driven to 17 ft.		

TEST PIT RECORD

Site: ACC 57 Client: ASC Project No.: 9144-32 1 of 2
 Test Pit 57E-95-01X Date 9-18-95 Time 13:00 End 13:40
 Coordinates _____

SKETCH MAP OF TEST PIT SITE



NOTES:

12 ft long trench

PID from stockpiled soils
= background

Crew Members:

1. Jake Jacobson (ABB-ES)
2. Tim Slager (ENPRO)
- 3.
- 4.

Approx 20' to gravel dune

6. Approx 20' to small cluster of poplars

Monitor Equipment:

PI Meter ☒ Y ☐ N
 Explosive Gas ☐ Y ☒ N
 Avail. Oxygen ☐ Y ☒ N
 OVA ☐ Y ☒ N
 Other _____

Photographs, Roll One

Exposure None

TEST PIT RECORD

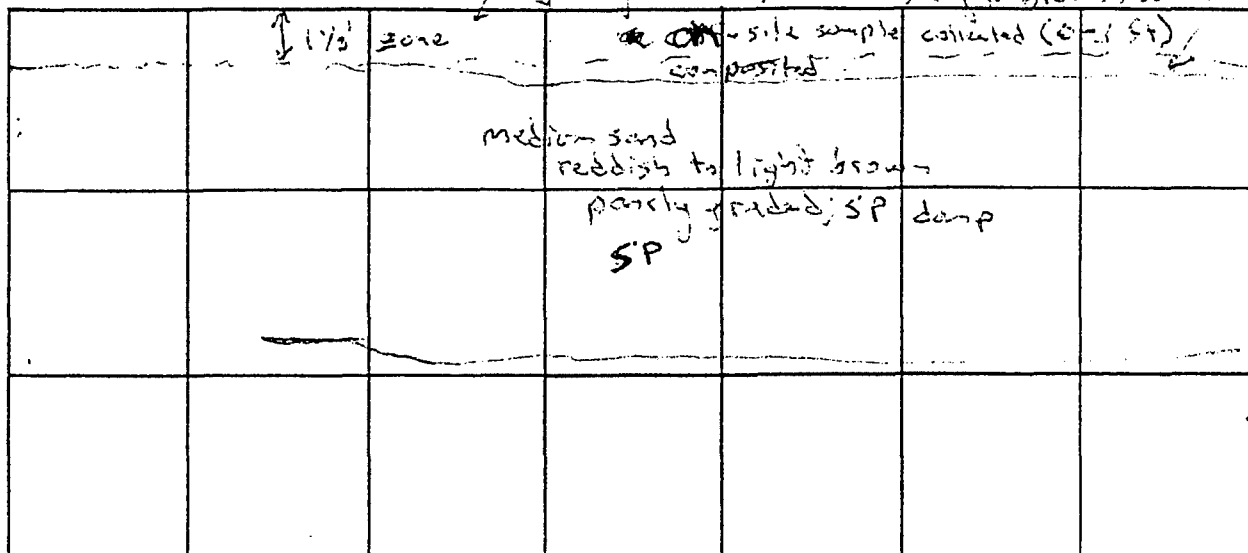
2 of 2

Profile Along Test Pit: 57E-95-01X

Site: AOC-57

North wall (same as South wall) silty sand dark brown lens

SKETCH MAP OF TEST PIT PROFILE



SCALE 1" = 5 FT. vertical
DEPTH (FT.) 9.5

NOTES:

Samples collected

* Field screening - 0-1 ft
6 ft
9 ft

OFF-Site Lab - 6 ft

Gradation - 6 ft

* Field screening sample
collected from dark brown
lens 3" thick at
the approx 2 ft depth
EX570102

no.	Sample Number	Depth (Ft.)	HO-SP-VGA PPM Analysis
S-1	EX570100	0-1'	On-site
S-2	EX570102	2'	On-site + 2
S-3	EX570106	6'	On-site + 6
S-4	EX570100	0'	On-site
S-5			
S-6			
S-7			
S-8			

Gradation sample collected at 6'

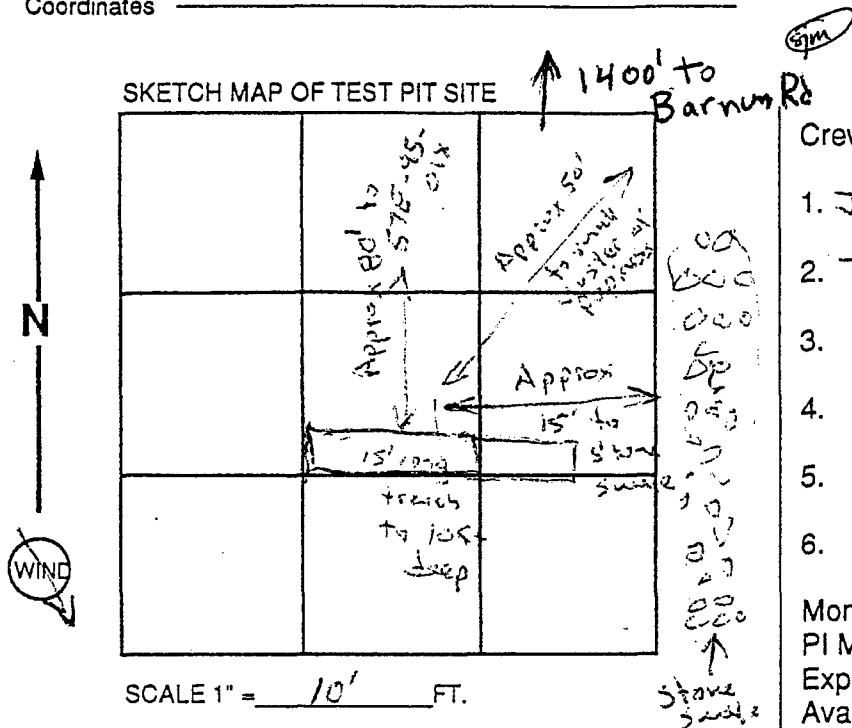
REFERENCE: FIELD BOOK, Pg. 5-7

ATTACHMENTS None

SIGNATURE: [Signature]

TEST PIT RECORD

Site: AOC 57 Client: AEC Project No.: 9144-02 1 of 2
Test Pit 57E-95-02X Date 9-18-95 Time 14:10 End 14:40
Coordinates _____



NOTES: _____

PID = 6" level = Background
5" level "

Crew Members:

1. Jake Jacobson (ABB-ES)
2. Tim Slager (EUPRO)
- 3.
- 4.
- 5.
- 6.

Monitor Equipment:

PI Meter	Y	N
Explosive Gas	Y	N
Avail. Oxygen	Y	N
OVA	Y	N
Other	Y	N

Photographs, Roll None

Exposure None

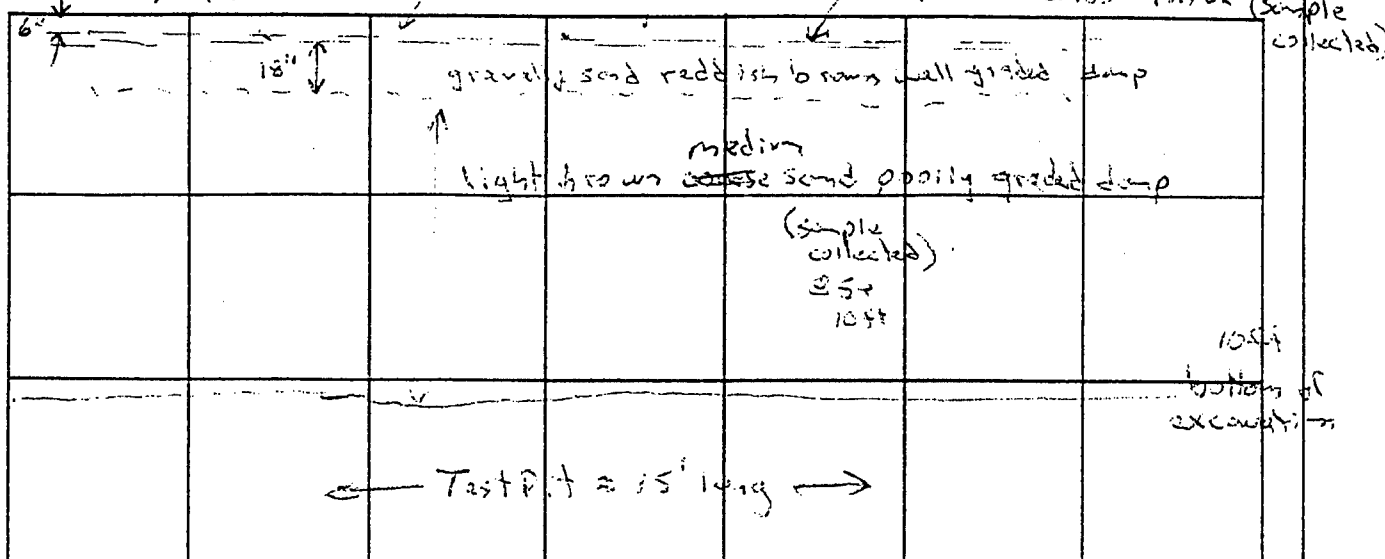
TEST PIT RECORD

2 of 2

Profile Along Test Pit: 57E-95-02X

Site: AOC 57

North
Wall similar to grass some sand
SKETCH MAP OF TEST PIT PROFILE
South
gravelly sand medium brown sand well graded (top 4")
Dark brown silty sand less
to black 2 to 3" thick (sample collected)



SCALE 1" = 5' FT. vertical 1" = 1' horizontal
DEPTH (FT.) 10 ft

NOTES:

On-site Samples: 6" #
5'
10'
Off-site Samples 6" #
5'
Gradation 5'
CRM = Background 5'

no.	Sample Number	Depth (Ft.)	HB-SP-VOA APM Analysis
S-1	EX570200	6"	on-site & off-site
S-2	EX570205	5'	on-site & off-site
S-3	EX570210	10'	on-site
S-4			
S-5			
S-6			
S-7			
S-8			

graduation collected @ 5'

* 6" deep samples were collected from Dark brown to black silty sand less 2 to 3" thick. In one area of the excavation a west end postulated gravel, pieces of charcoal ash were noted

REFERENCE: FIELD BOOK, Pg. pg 5-7

ATTACHMENTS None

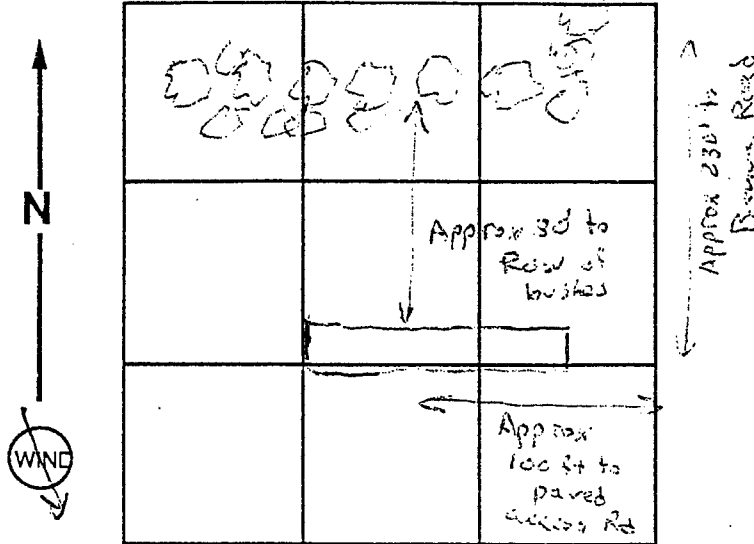
SIGNATURE: RDC

TEST PIT RECORD

Site: AOC 57 Client: AEC Project No.: 9144-02 1 of 2
 Test Pit 57E-95-03X Date 9-18-95 Time 15:25 End 16:00
 Coordinates _____

④ MW 6-3M-92-02X

SKETCH MAP OF TEST PIT SITE



SCALE 1" = 10' None FT.
RDJ

NOTES:

Soils excavated in 3 lifts
and stockpiled separately
0-1 ft
1-5 ft
5-10 ft
Soils then backfilled back to level
excavated Contractor then cleared excavator
after test pit complete.
This was the last test pit
excavated on 9-18-95

Crew Members:

1. Jack Jacobson (ABB-ES)
2. Tim Slager (ENPRG)
3. _____
4. _____
5. _____
6. _____

Monitor Equipment:

PI Meter Y N
 Explosive Gas Y N
 Avail. Oxygen Y N
 OVA Y N
 Other _____

Photographs, Roll None

Exposure None

TEST PIT RECORD

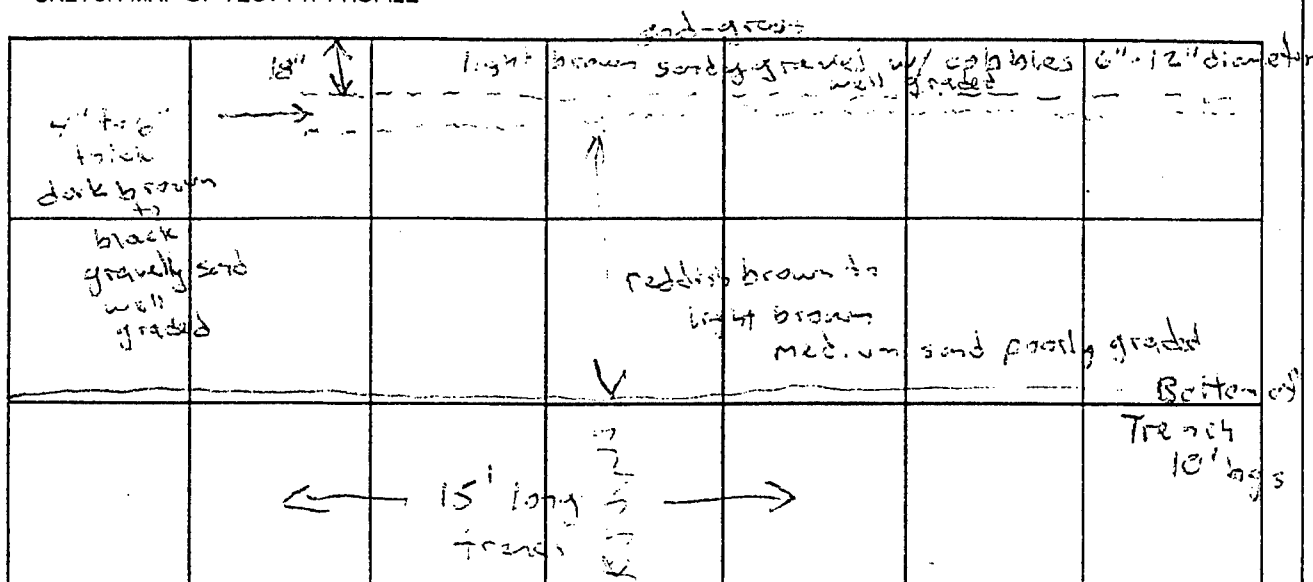
2 of 2

Profile Along Test Pit: 57E-95-03X

Site: ACC 57

North Wall (same as South wall)

SKETCH MAP OF TEST PIT PROFILE



SCALE 1" = 5 FT. vertical (horizontal 1" = 1')

DEPTH (FT.) 10'

NOTES:

Off-site sample - 5'

Gradation - 5'

On-site sample 0-1'

5'

10'

* 2' from 4th

* blattense

Headspace = Background

All sampling from 0-1 ft done by collecting composites from north & south walls; from lower levels by collecting from excavator bucket.

no.	Sample Number	Depth (Ft.)	HB-SP-VGA PPM Analysis
S-1	EX570300	0-1'	on-site
* S-2	EX570302	2'	on-site
S-3	EX570303	5'	on-site, off-site
S-4	EX570310	10'	on-site
S-5			
S-6			
S-7			
S-8			

gradation sample collected @ 5'

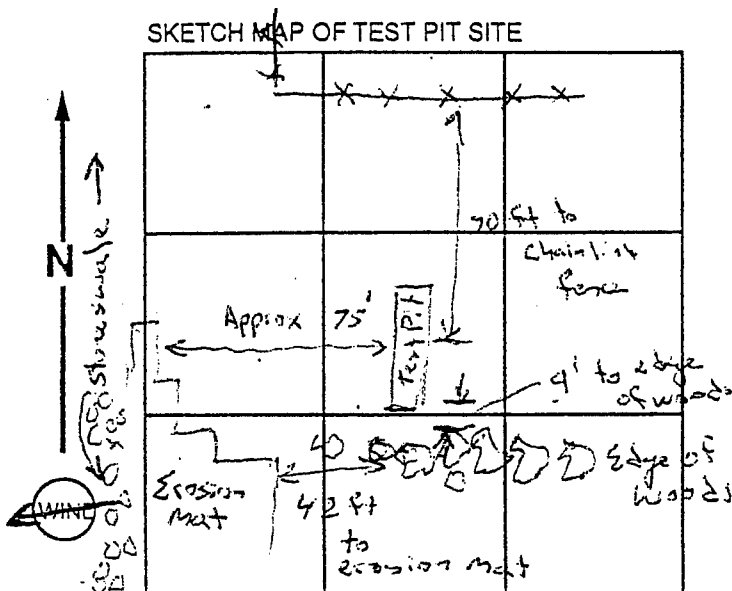
REFERENCE: FIELD BOOK, Pg. 5-7

ATTACHMENTS None

SIGNATURE: [Signature]

TEST PIT RECORD

Site: AOC 57 Client: AEC Project No.: 9144-02 1 of 2
 Test Pit: 57E-95-04X Date: 9-11-95 Time: 8:05 End: 8:45
 Coordinates: _____



SCALE 1" = None FT.

NOTES:

Test Pit excavated in ≈ 3 lifts
 and backfilled dirt back
 to respective locations
 0-1 ft
 1-5 ft
 5-12 ft

Crew Members:

1. Jake Jacobson (ABB-ES)
2. Tim Slager (ENPRO)
- 3.
- 4.
- 5.
- 6.

Monitor Equipment:

PI Meter ☒ Y ☐ N
 Explosive Gas ☐ Y ☒ N
 Avail. Oxygen ☐ Y ☒ N
 OVA ☐ Y ☒ N
 Other _____

Photographs, Roll None

Exposure None

TEST PIT RECORD

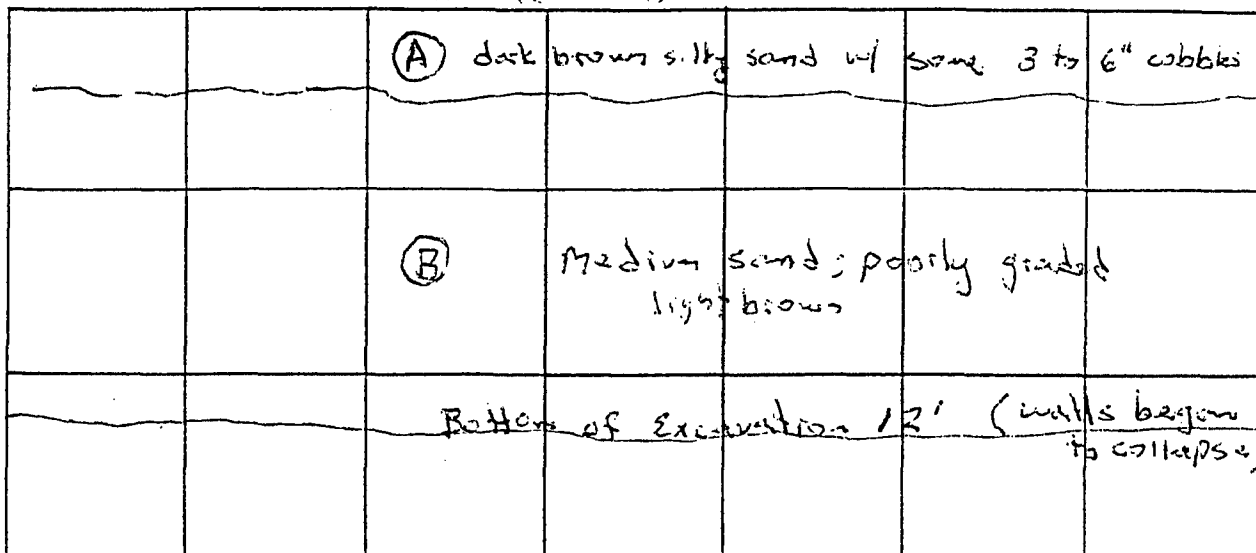
2 of 2

Profile Along Test Pit: 57E-95-04X

Site: AOC 57

West wall (All walls similar)

SKETCH MAP OF TEST PIT PROFILE



SCALE 1" = 5 FT. vertical 1" = 1' horizontal
DEPTH (FT.) 12'

NOTES:

(A) Silty sand; well graded; 15-20% fines w/ 5% fine gravel; damp; ~~loose~~ ^{RDJ} very loose; dark brown w/ ~~some~~ ^{RDJ} SM contains some organics (roots,

(B) medium sand; poorly graded; minimal fines; damp; loose, light brown mottled with reddish orange; SP

Duplicate sample collected at 5' for off-site analysis

no.	Sample Number	Depth (Ft.)	HD. SP. VOA PPM
S-1	EX570400	0-1'	0.0ppm
S-2	EX570405	5'	0.0ppm
S-3	EX570412	12'	0.0ppm
S-4			
S-5			
S-6			
S-7			
S-8			

REFERENCE: FIELD BOOK, Pg. 8 (SM)

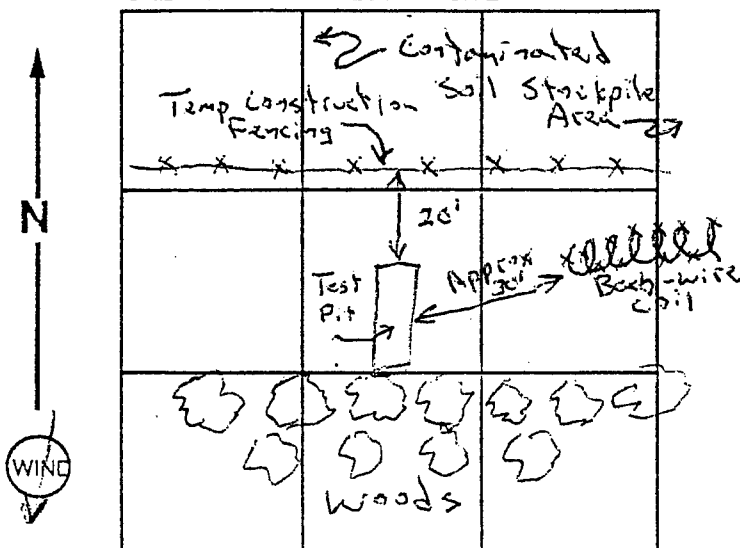
ATTACHMENTS None

SIGNATURE: RDJ

TEST PIT RECORD

Site: AOC 57 Client: AEC Project No.: 9144-02 1 of 2
 Test Pit 57E-95-05X Date 9-19-95 Time 9:10 End 9:50
 Coordinates _____

SKETCH MAP OF TEST PIT SITE



SCALE 1" = None FT.

NOTES:

Test Pit Trench approximately
 15 ft long x 13 feet deep
 Sidewalls caved in. Could
 not dig much deeper than
 13 ft.
 Excavated in 3 lifts
 0-1 ft; 1-6 ft and
 6-13 ft.
 Backfilled these lifts to
 their respective locations.

Crew Members:

1. Jake Jacobson (ABB-ES)
2. Tim Slager (ENPRO)
- 3.
- 4.
- 5.
- 6.

Monitor Equipment:

PI Meter ☒ Y ☐ N
 Explosive Gas ☐ Y ☒ N
 Avail. Oxygen ☐ Y ☒ N
 OVA ☐ Y ☒ N
 Other _____

Photographs, Roll None

Exposure None

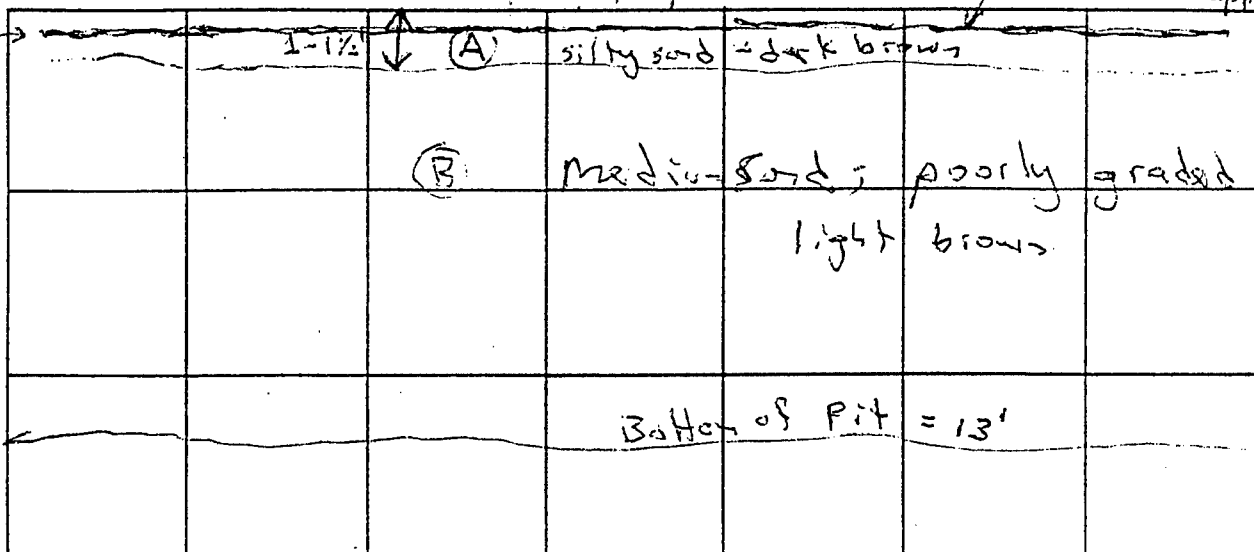
TEST PIT RECORD

2 of 2

Profile Along Test Pit: 57E-95-05X

Site: AOC 57

East wall (typical of all walls)
Thin (0.5" to 1" thick) layer of black silty sand (ash) approx 6" bgs
Grass w/ sod
ash layer \approx 6" bgs
SKETCH MAP OF TEST PIT PROFILE



SCALE 1" = 5 FT. vertical 1" = 1' horizontal
DEPTH (FT.) 1.3 ft

NOTES:

(A) silty sand; well graded;
20-25% fines w/ trace fine
gravel; damp; very loose
dark brown; SM-
contains dark brown to black
strip about 1/2" to 1" thick
which looks like ash. Contains
some roots

(B) Medium sand; poorly graded
no observable fines; moist;
loose; light brown mottled
with reddish orange & white;
SP

Gradation taken @ 6'

REFERENCE: FIELD BOOK, Pg. p. 8-9

ATTACHMENTS None

SIGNATURE: RD [Signature]

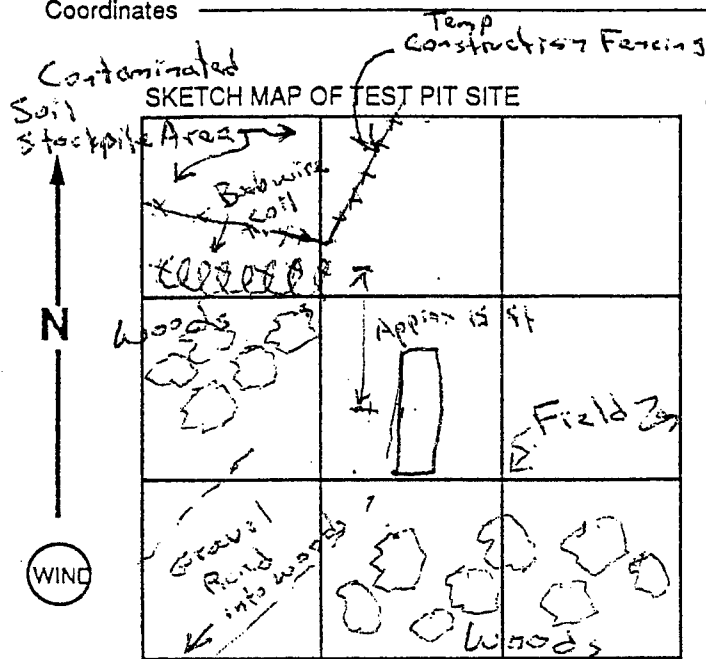
MS/MSD Sample Collected @ 6' level

no.	Sample Number	Depth (Ft.)	HD. SP. VOA PPM
✓ S-1	EX570500	0-1'	Copper
✓ S-2	EX570506	6'	VPP
✓ S-3	EX570513	13'	"
S-4			
S-5			
S-6			
S-7			
S-8			

Lab
on file
on site

TEST PIT RECORD

Site: AOC 57 Client: AEC Project No.: 9144-02 1 of 2
 Test Pit: 57E-95-06X Date: 9-19-95 Time: 10:35 End: 10:45 RDS
 Coordinates: _____ 11:15



SCALE 1" = None FT.

NOTES: _____
 Test pit Trench approx 15 ft.
 long and 11 feet deep.
 Sidewalls caved in at 10 ft.
 11 ft.
 Excavated in 3 lifts
 0-1 ft, 1-6 ft and
 6-11 ft.
 Backfilled back to their
 respective locations.

Crew Members:

1. Jake Jacobson (ABB-ES)
2. Tim Slager (ENPRO)
- 3.
- 4.
- 5.
- 6.

Monitor Equipment:

PI Meter ☒ Y ☐ N
 Explosive Gas ☒ Y ☐ N
 Avail. Oxygen ☒ Y ☐ N
 OVA ☒ Y ☐ N
 Other _____

Photographs, Roll None

Exposure None

TEST PIT RECORD

2 of 2

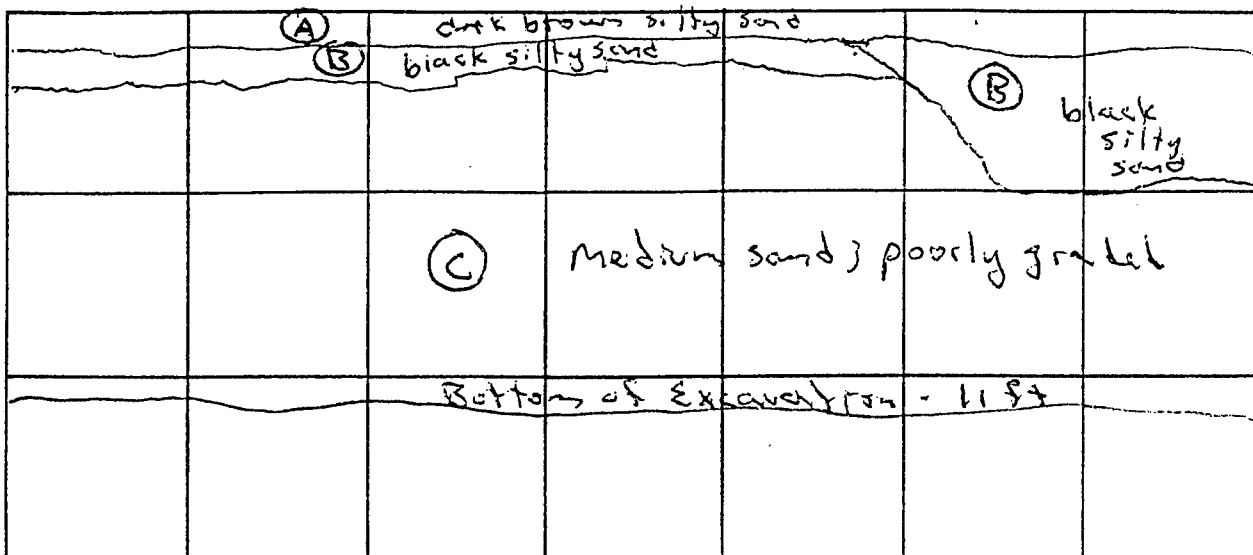
Profile Along Test Pit: 57E-95-06X

Site: AOC 57

East wall (west wall similar)

SKETCH MAP OF TEST PIT PROFILE

Towards Woods
→



SCALE 1" = 5 FT. Vertical 1" = 1' horizontal
DEPTH (FT.) 11 ft (walls continued to collapse)

NOTES:

(A) Silty sand; well graded;
20-25% fines w/ some gravel
up to 1" diameter; damp; very
loose; dark brown; SM
contains some roots. Modeled
with blacker ashier soil
below identified as (B)

(C) Medium sand; poorly graded
no observed fines; moist; loose;
light brown modeled with reddish
orange & white; SP

no.	Sample Number	Depth (Ft.)	HD, SP, VOA PPM
S-1	EX570600	0-1'	0.0 ppm
S-2	EX570606	6'	0.0 ppm
S-3	EX570611	11'	0.0 ppm
S-4			
S-5			
S-6			
S-7			
S-8			

Gradation sample collected @ 0-1' and @ 6'

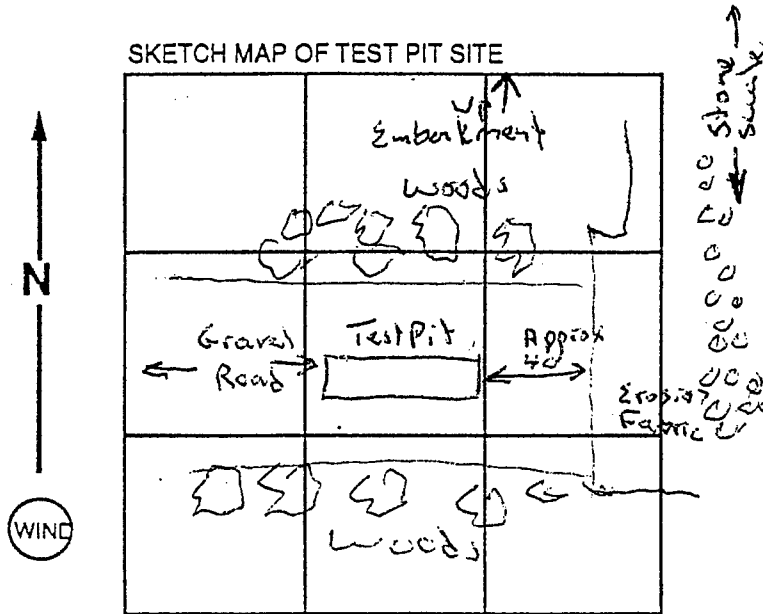
REFERENCE: FIELD BOOK, Pg. 2-9

ATTACHMENTS None

SIGNATURE: RD Jones

TEST PIT RECORD

Site: AOC 57 Client: AEC Project No.: 9144-02 1 of 2
 Test Pit 57E-95-7X Date 9-19-95 Time 11:50 End 12:25
 Coordinates _____



SCALE 1" = None FT.

NOTES: _____

Test pit trenches approximately
 10 ft long. Excavated to
 7 ft depth where groundwater
 was reached.

Excavated in approximately
 3 lifts 0-3 ft; 4 ft-5 ft;
 and 5 to 7 ft. Backfilled
 back to their respective
 locations

Crew Members:

1. Jake Jacobson (ABB-ES)
2. Tim Slager (ENPRO)
- 3.
- 4.
- 5.
- 6.

Monitor Equipment:

PI Meter ☒ Y ☐ N
 Explosive Gas ☐ Y ☒ N
 Avail. Oxygen ☐ Y ☒ N
 OVA ☐ Y ☒ N
 Other _____

Photographs, Roll None

Exposure None

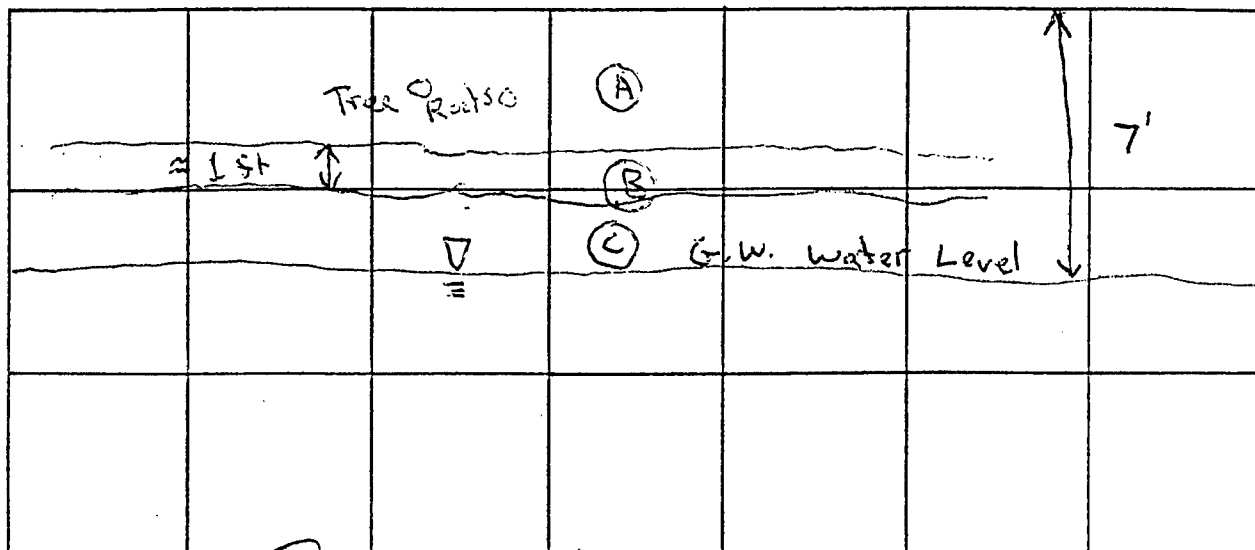
TEST PIT RECORD

2 of 2

Profile Along Test Pit: 57E-95-07X

Site: AOC 57

SKETCH MAP OF TEST PIT PROFILE



SCALE 1" = as shown 5 ft.
DEPTH (FT.) 7

NOTES:

(A) Silty sand; well graded;
25-30% fines w/ some gravel
damp; very loose fill; dark
brown SM

(B) Black silty sand; strong
fuel odor detected;

(C) medium sand; poorly
graded; moist to wet
light brown to white.
Fuel odor detected

no.	Sample Number	Depth (Ft.)	HD. SP. VOA PPM ROW
S-1	EX570700	0-1'	0.00 ppm
S-2	EX570704	4'	140 ppm
S-3	EX570707	7'	53 ppm
S-4			
S-5			
S-6			
S-7			
S-8			

Lab on cross-site

REFERENCE: FIELD BOOK, Pg. 10

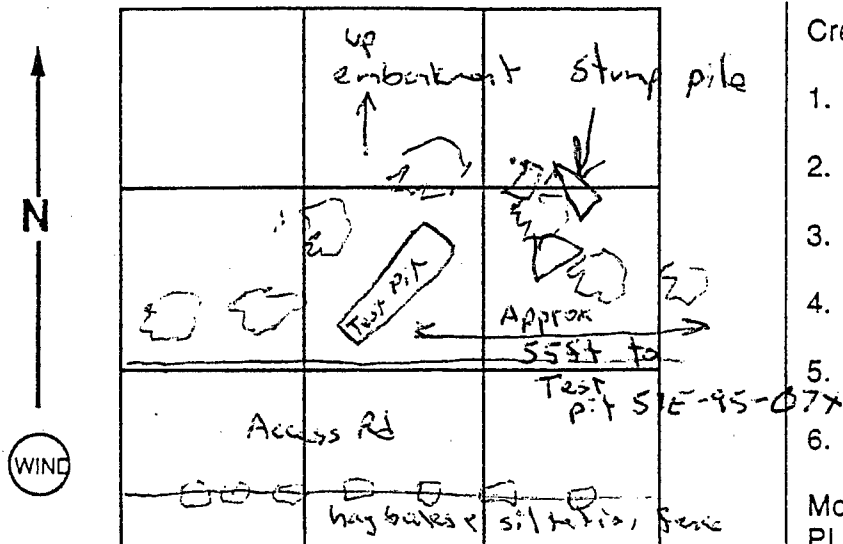
ATTACHMENTS None

SIGNATURE: RD Jordan

TEST PIT RECORD

Site: AOC 57 Client: AEC Project No.: 9144-02 1 of 2
 Test Pit 57E-95-08X Date 9-20-95 Time 8:00 End 8:40
 Coordinates _____

SKETCH MAP OF TEST PIT SITE



NOTES:

Test Pit trench approximately
 10 ft long and 6 ft deep to
 groundwater

Excavated in 3 lifts
 0-1 ft 1-5 ft and 5 to 6 ft
 Soil backfilled to
 respective location

Crew Members:

1. Jake Jacobson (ABB-ES)
2. Tim Slager (ENPRO)
- 3.
- 4.
- 5.
- 6.

Monitor Equipment:

PI Meter ☒ N
 Explosive Gas ☒ N
 Avail. Oxygen ☒ N
 OVA ☒ N
 Other ☐ N

Photographs, Roll None

Exposure None

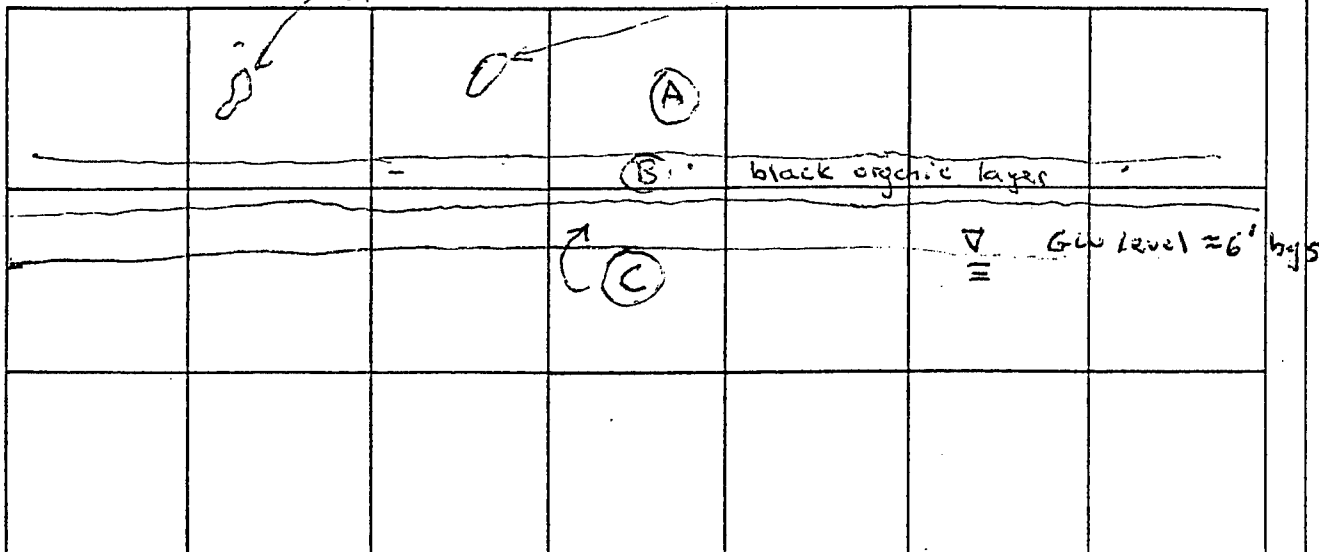
TEST PIT RECORD

2 of 2

Profile Along Test Pit: 57E-95-08X

Site: AOC 57

Sketch Map of Test Pit Profile
 South wall (soil layers similar on north wall)
 east
 Piece of Rubber Tire $\approx 2'$ by 5" Plate (dish) $\approx 18"$ by 5"



SCALE 1" = 5 FT. vertical; 1" = 1' horizontal
 DEPTH (FT.) 6 Ground water penetrates 6'

NOTES:

(A) Silty sand; well graded; 15-20% fines w/ 5% gravel up to about 1" diameter; damp; very loose; dark brown; stones round; SM; soil contains some roots & rot debris (piece of rubber; dinner plate)

(B) Same as above (A) except that soil also appears to contain black organic material. Septic odor detected. Soil is very cohesive (sticks to sample spoon). Very moist; black; lens is approximately 1 foot thick

(C) Medium sand; poorly graded; no observable fines; wet; loose; light brown; SP

no.	Sample Number	Depth (Ft.)	HD, SP, VOA PPM
(A) S-1	EX 570800	0-1'	Open
(B) S-2	EX 570804	4'	* Open
(C) S-3	EX 570806	6'	Open
S-4			
S-5			
S-6			
S-7			
S-8			

* Septic odor detected
 Grain size analysis collected @ 4'

REFERENCE: FIELD BOOK, Pg. 11-12

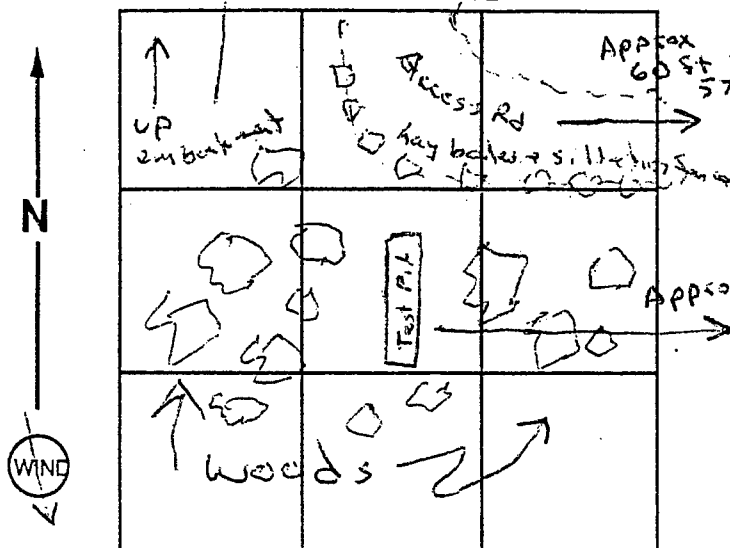
ATTACHMENTS None

SIGNATURE: [Signature]

TEST PIT RECORD

Site: ACC 57 Client: AEC Project No.: 9144-021 of 2
 Test Pit: 57E-95-08X 09X Date: 9-20-95 Time: 9:15 End: 9:45
 Coordinates: To Barn Road 2000 ft

SKETCH MAP OF TEST PIT SITE



SCALE 1" = No. 2 FT.

NOTES:

Surface debris (green buslap)
 and sheet metal noted within 6 to 8
 feet of test pit

Test pit approximately
 10 ft long and 8 ft
 deep where gravel water
 was encountered

Crew Members:

1. Jake Jacobson (ABB-ES)
2. Tim Slager (ENPRO)
- 3.
4. Offset to stone drainage swale
- 5.
- 6.

Monitor Equipment:

PI Meter	<input checked="" type="checkbox"/>	N
Explosive Gas	Y	<input checked="" type="checkbox"/>
Avail. Oxygen	Y	<input checked="" type="checkbox"/>
OVA	Y	<input checked="" type="checkbox"/>
Other		

Photographs, Roll No. 2

Exposure No. 2

TEST PIT RECORD

2 of 2

Profile Along Test Pit: 57E-95-09X

Site: AOC 57

Typical all walls

SKETCH MAP OF TEST PIT PROFILE

			(A)	dark brown silty sand damp
			(B)	light brown-silty sand dry
			(D)	black organic layer
			(C)	Groundwater @ 8 feet

SCALE 1" = 5 FT. vertical; 1" = 1' horizontal
DEPTH (FT). 8 ft (Groundwater at 8 ft)

NOTES:

(A) Silty sand; well graded;
10-15% fines w/ 5-10% gravel up
to about 1" diameter; damp; very
loose; dark brown; stones
round; SM; contains some
roots. Approx 1 to 1 1/2" thick layer

(B) Silty sand; well graded;
10-15% fines w/ 5% gravel
up to 1 1/2" diameter; very dry (dusty);
very loose; light brown; stones
round; SM

(D) Black organic layer @ 1 ft
thick 5' bgs. Soil is very
cohesive; very moist; black
Strong septic odor; no fuel odor detected

(C) Medium sand; poorly graded
some roots and organic matter
noted; very wet; very loose;
light brown to tan; SP

no.	Sample Number	Depth (Ft.)	HD. SP. VOA PPM
(A) S-1	EX 570900	0-1'	0 ppm
(B) S-2	EX 570905	5'	* "
(C) S-3	EX 570908	8'	" "
S-4			
S-5			
S-6			
S-7			
S-8			

* Strong septic odor

REFERENCE: FIELD BOOK, Pg. 11-12

ATTACHMENTS None

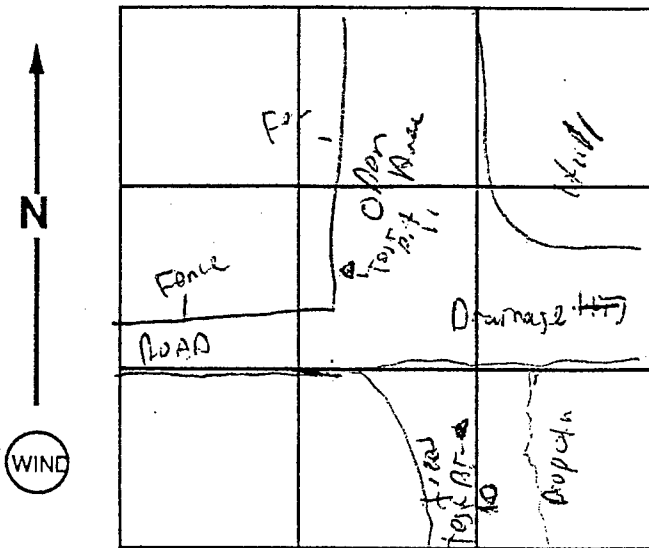
SIGNATURE: AD [Signature]

Lab on-site test

TEST PIT RECORD

Site: AOC 57 Client: AEC Project No.: 9144-02 1 of 2
Test Pit 57E-95-16 Date 9-19-95 Time 1400 End NY
Coordinates _____

SKETCH MAP OF TEST PIT SITE



SCALE 1" = None FT.

NOTES:

Trit Pit $\approx 10'$ Long and 3' wide
excavated to 10' before hole
started to collapse.

Hole was backfilled immediately after logging.

Crew Members:

1. ~~Jake Jacobson~~ (ABB-ES)

2. Tim Slager (ENPRO)

3.

4.

5.

6.

Monitor Equipment:

PI Meter	(Y)	N
Explosive Gas	Y	(N)
Avail. Oxygen	Y	(N)
OVA	Y	(N)
Other	Y	(N)

Photographs, Roll None 5/11

Exposure None AM

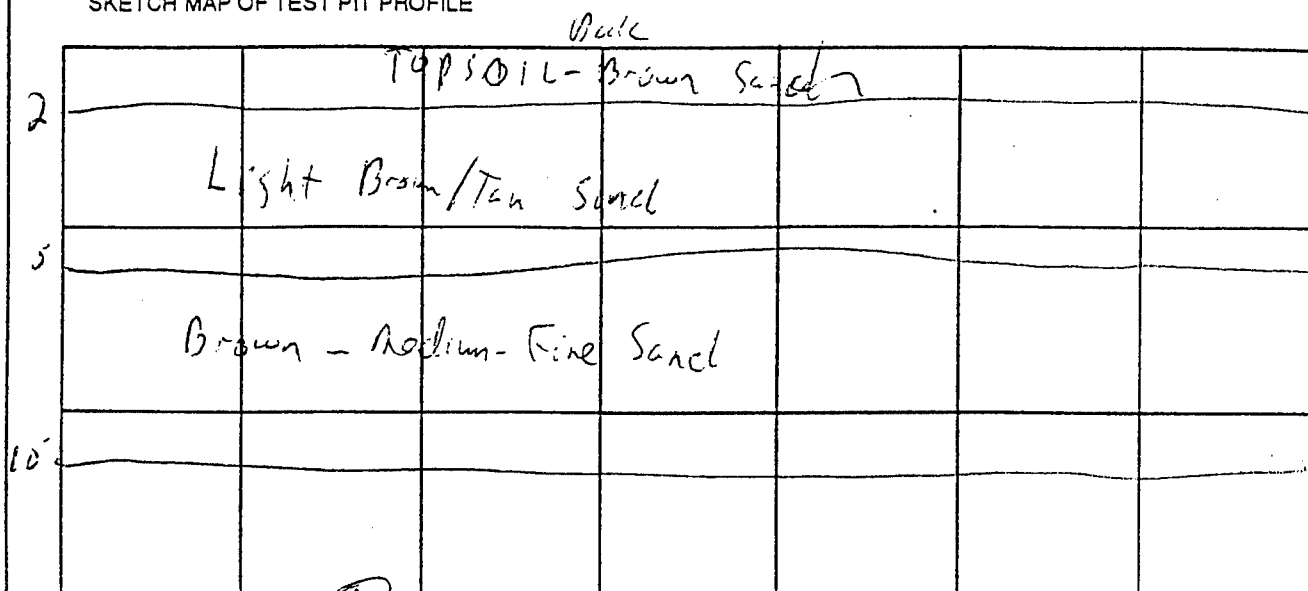
TEST PIT RECORD

2 of 2

Profile Along Test Pit: 57E-95-10

Site: AOC 57

SKETCH MAP OF TEST PIT PROFILE



SCALE 1" = as shown ft.
DEPTH (FT.) 10

NOTES:

Test pit ~ 10' Long and
3' wide - oriented
to 10' before side
wall) were causing in

S-1 - Dark Brown Silty Sand, Dry - Topsoil
and sand. offsite and onsite sample
collected

S-2 Tan medium-fine sand, very uniform
Dry - onsite and offsite sample
collected

S-3 Brown medium-fine sand, very uniform
Dry - Ramp - onsite sample collected

no.	Sample Number	Depth (Ft.)	HD. SP. VOA PPM
S-1	EXS71000	0	0
S-2	EXS71006	6	0
S-3	EXS71010	10	0
S-4			
S-5			
S-6			
S-7			
S-8			

14
14 20
14 30

REFERENCE: FIELD BOOK, Pg. 10

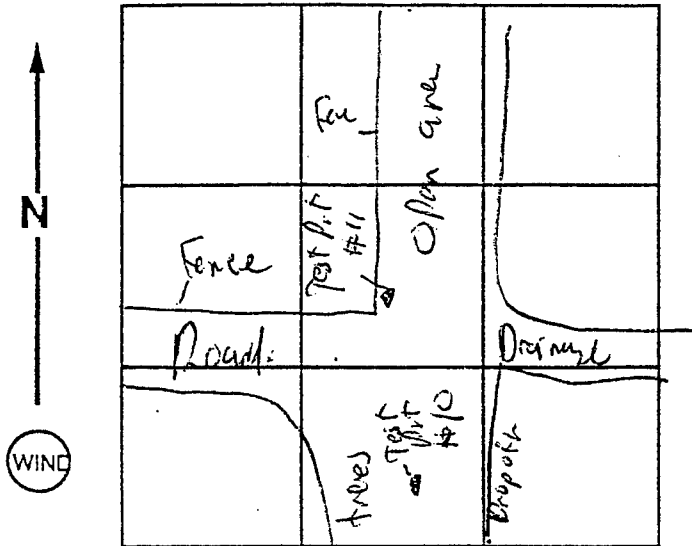
ATTACHMENTS None

SIGNATURE: _____

TEST PIT RECORD

Site: AOC 57 Client: AEC Project No.: 9144-02 1 of 2
 Test Pit 57E-95-11 Date 9-19-95 Time 1310 End 1345
 Coordinates _____

SKETCH MAP OF TEST PIT SITE



SCALE 1" = None FT.

NOTES: _____

Test pit is 8' Long and
 3' wide excavated
 to 13' then backfilled

Hole was back filled immediately
 after logging

Crew Members:

1. Mike Lounsbury
John Jacobson (ABB-ES)

2. Tim Slager (ENPRO)

3. _____

4. _____

5. _____

6. _____

Monitor Equipment:

PI Meter

Explosive Gas

Avail. Oxygen

OVA

Other _____

Y N
 Y N
 Y N
 Y N

Photographs, Roll

None 9/19

Exposure

None 9/19

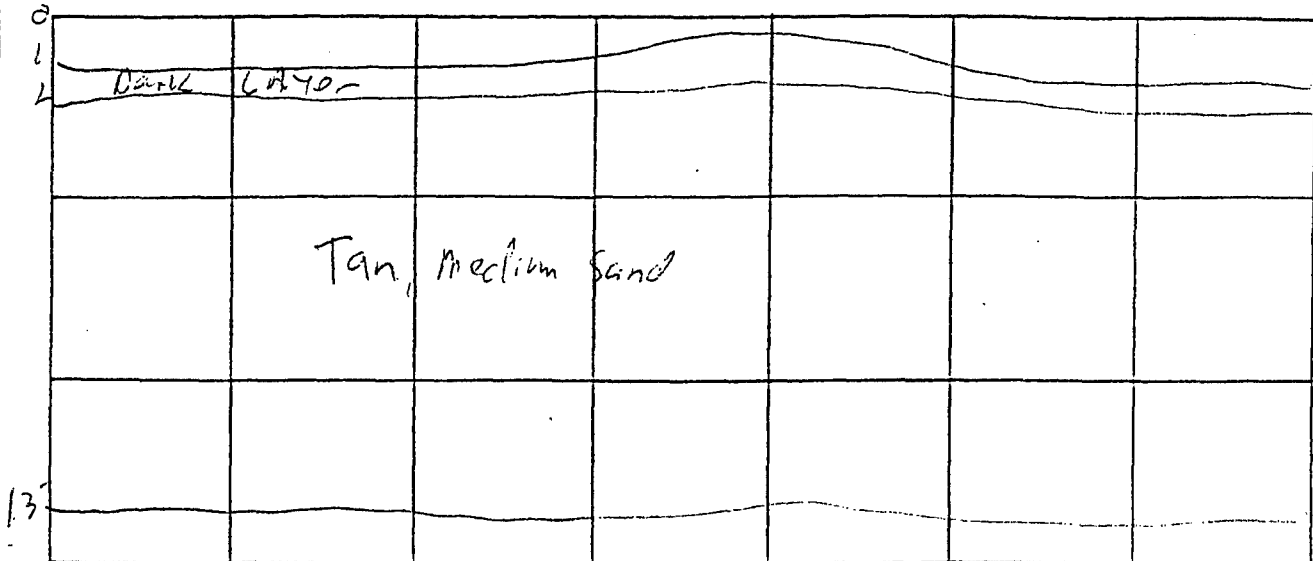
TEST PIT RECORD

2 of 2

Profile Along Test Pit: 57E-95-11

Site: AOC 57

SKETCH MAP OF TEST PIT PROFILE



SCALE 1" = AS SHOWN FT. 3/4"
DEPTH (FT.) 13

NOTES:

A - Sand - Medium - Fine - A Dark Layer
~ 1-2 feet, Dry

B & C - Tan Sand Fine - Medium
Very uniform - Damp

On-site samples were collected at each
Location - an off-site sample was collected
at EX571106

no.	Sample Number	Depth (Ft.)	HD, SP, VOA PPM
S-1	EX571100	0-1	0
S-2	EX571106	5-6	0
S-3	EX571113	12-13	0
S-4			
S-5			
S-6			
S-7			
S-8			

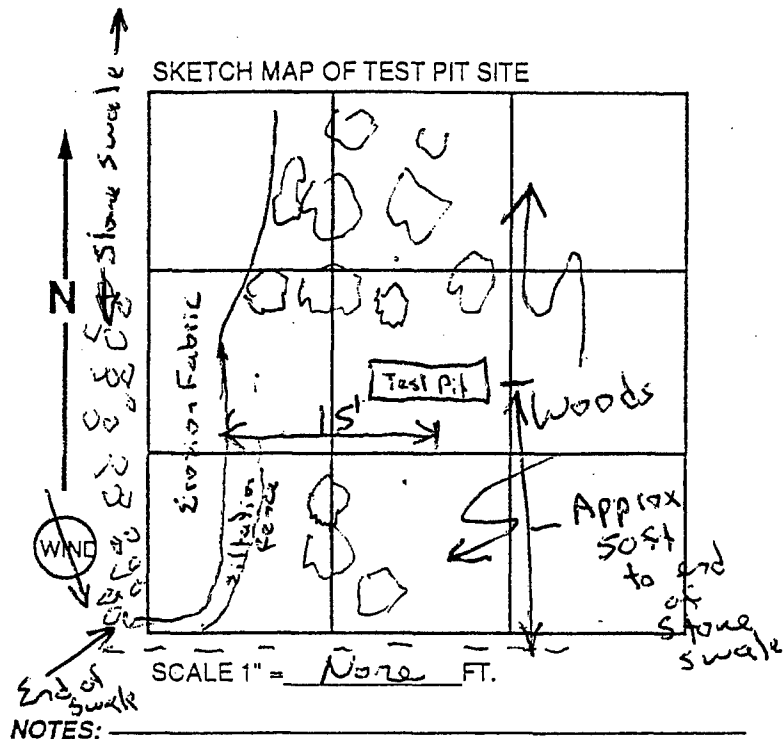
REFERENCE: FIELD BOOK, Pg. 10

ATTACHMENTS None

SIGNATURE: _____

TEST PIT RECORD

Site: AOC 57 Client: AEC Project No.: 9144-02 of 2
 Test Pit: 57E-95-12X Date: 9-20-95 Time: 10:20 End: 11:00
 Coordinates: _____



Two paint cans located on the surface approximately 10 feet from the south wall of the test pit

Test pit trench approximately 10 ft. long. Excavated to 13 ft. water noted seeping into the trench at the approximate 8 ft level backfilled

Soil replaced into the trench within respective location from which it was excavated

Crew Members:

1. Jake Jacobson (ABB-ES)
2. Tim Slager (ENPRO)
- 3.
- 4.
- 5.
- 6.

Monitor Equipment:

PI Meter	<input checked="" type="checkbox"/>	N
Explosive Gas	Y	<input checked="" type="checkbox"/>
Avail. Oxygen	Y	<input checked="" type="checkbox"/>
OVA	Y	<input checked="" type="checkbox"/>
Other		

Photographs, Roll None

Exposure None

TEST PIT RECORD

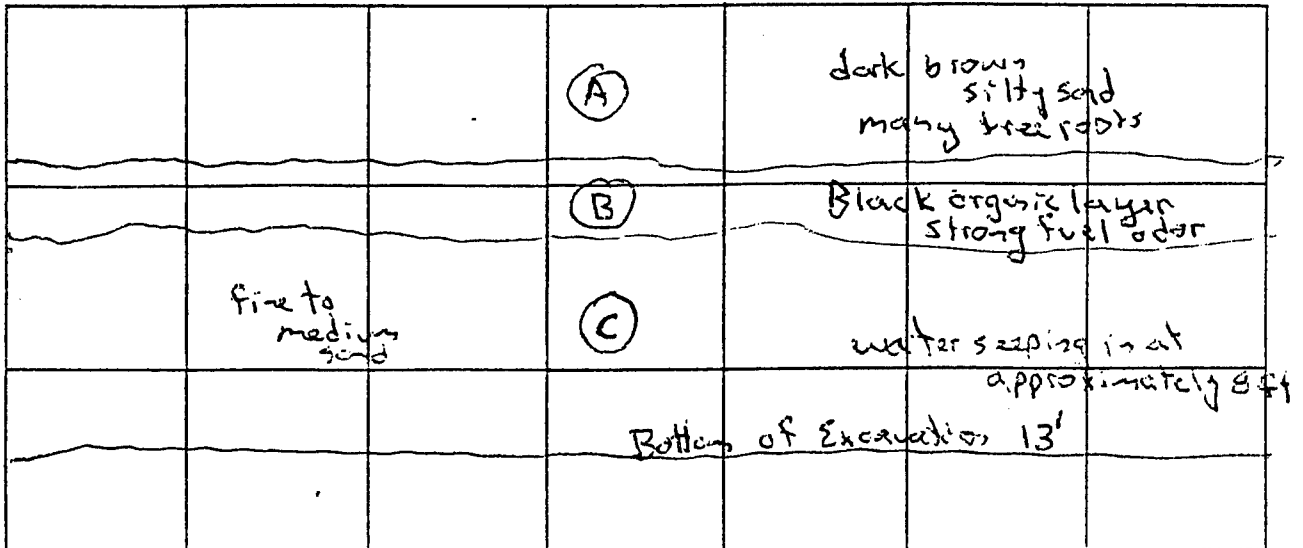
2 of 2

Profile Along Test Pit: 57E-95-12X

Site: AOC 57

SKETCH MAP OF TEST PIT PROFILE

Typical all walls



SCALE 1" = 5 FT. vertical; 1" = 1' horizontal
 ** DEPTH (FT.) 13' Sides began to cave in

NOTES:

(A) Silty sand; well graded; 10-15%
 fines w/ 5-10% gravel; dry;
 very loose; dark to medium brown
 SM; many tree roots

(B) Black layer; septic and strong
 fuel odor noted (2.7 ppm
 w/ PID about 1 ft down in trench)
 Soil very cohesive; very moist

(C) Medium to fine sand; poorly
 graded; very wet; loose
 light to yellowish brown; SP

** Note: Groundwater eventually
 filled the pit to the
 approximate 7' level

no.	Sample Number	Depth (Ft.)	HD. SP. VOA PPM
S-1	EX 571200	0-1'	0 ppm
S-2	EX 571204	4'	* 1.4 ppm
S-3	EX 571213	13'	0 ppm
S-4			
S-5			
S-6			
S-7			
S-8			

* fuel odor detected
 Grain size @ 0-1' and @ 4'

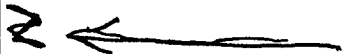
REFERENCE: FIELD BOOK, Pg. 11-12

ATTACHMENTS None

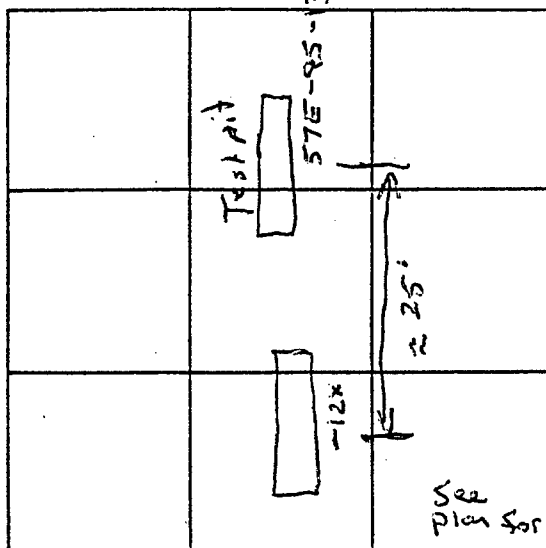
SIGNATURE: AD Jones

TEST PIT RECORD

Site: AOC 57 Client: AEC Project No.: 9144-02 1 of 2
 Test Pit 57E-95-13X Date 9-20-95 Time 13:50 End 14:30
 Coordinates _____



SKETCH MAP OF TEST PIT SITE



SCALE 1" = None FT.

NOTES:

Test pit approx 10 ft long
 ≈ 11 ft deep
 Soil backfilled into the trench
 within respective location
 from which it came.

Crew Members:

1. Jake Jacobson (ABB-ES)
2. Tim Slager (ENPRO)
- 3.
- 4.
- 5.
- 6.

Monitor Equipment:

PI Meter ☒ Y ☐ N
 Explosive Gas ☒ Y ☐ N
 Avail. Oxygen ☒ Y ☐ N
 OVA ☒ Y ☐ N
 Other _____

Photographs, Roll None

Exposure None

TEST PIT RECORD

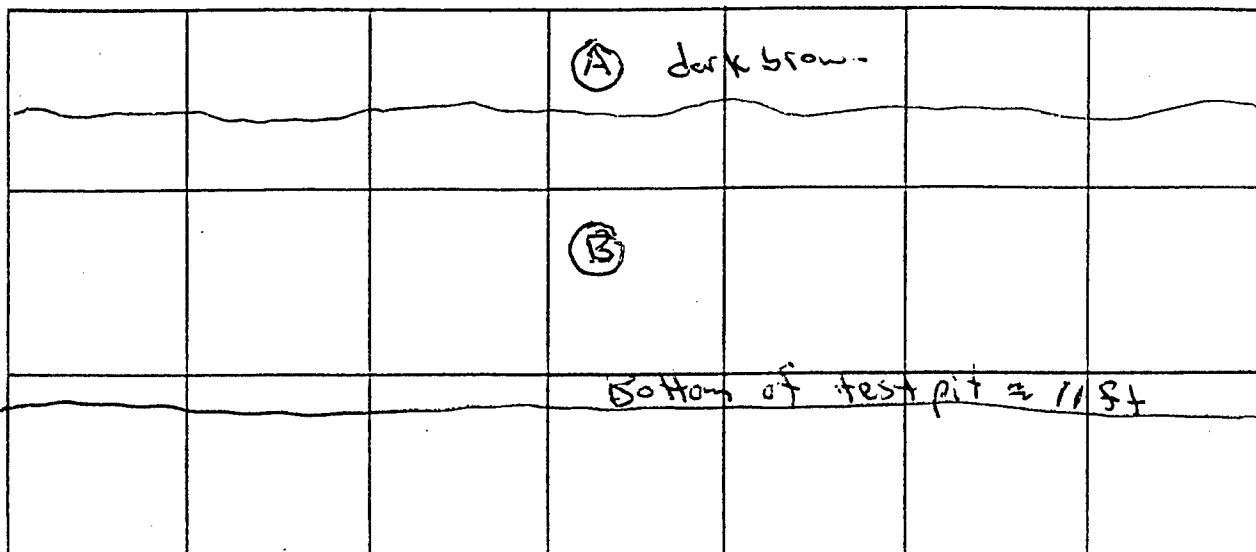
2 of 2

Profile Along Test Pit: 57E-95-13X

Site: AOC 57

SKETCH MAP OF TEST PIT PROFILE

Typical all walls



SCALE 1" = 5 FT. vertical; 1" = 1' horizontal
DEPTH (FT). 11 Sidewalls collapsed; water trickling in at about 6'

NOTES:

(A) Silty sand; well graded; 20 to 25% fines; damp; very loose; dark brown w/ some black organic material; SM; many roots
Approx 25 ft thick

(B) Medium sand turning finer with depth; poorly graded; wet; loose in spots w/ tight consolidated chunks in other areas; light brown to tan; SP

No observable black organic layer was found in this pit.

Groundwater observed to be seeping in @ ≈ 6 ft.

no.	Sample Number	Depth (Ft.)	HD. SP. VOA PPM
S-1	EX571306	0-1'	0.3 ppm
S-2	EX571305	5'	0 ppm
S-3	EX571311	11'	0 ppm
S-4			
S-5			
S-6			
S-7			
S-8			

REFERENCE: FIELD BOOK, Pg. 13

ATTACHMENTS None

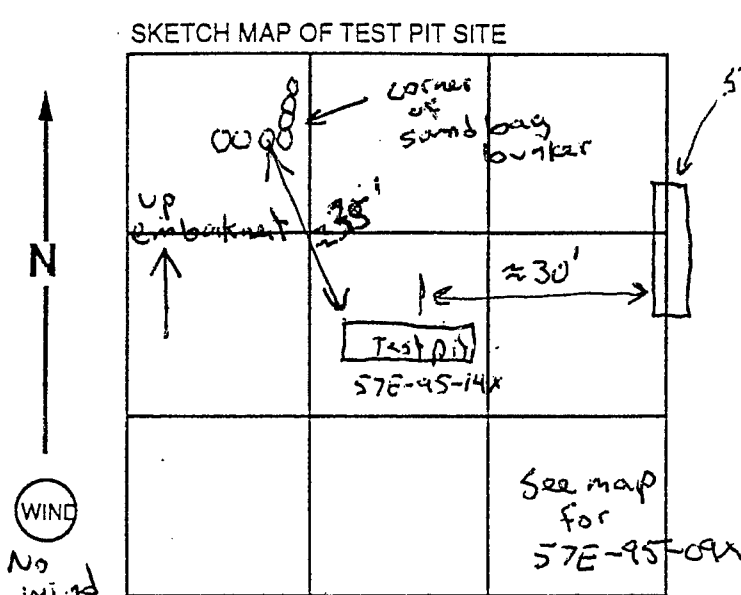
SIGNATURE: RD Jacoby

A few dark clumps of organic material were noted in the backfill.

TEST PIT RECORD

Site: AOC 57 Client: AFC Project No.: 9144-02 ^{1 of 2}
 Test Pit 57E-95-14X Date 9-20-95 Time 15:00 End 15:30
 Coordinates _____

SKETCH MAP OF TEST PIT SITE



SCALE 1" = None FT.

NOTES:

Test pit ≈ 10 ft long
 6 ft deep when water
 began to pour in.
 At 3 1/2 feet below grade
 water was starting to
 seep in

Crew Members:

1. Jake Jacobson (ABB-ES)
2. Tim Slager (ENPRO)
- 3.
- 4.
- 5.
- 6.

Monitor Equipment:

PI Meter ☒ N
 Explosive Gas Y ☒
 Avail. Oxygen Y ☒
 OVA Y ☒
 Other _____

Photographs, Roll None

Exposure None

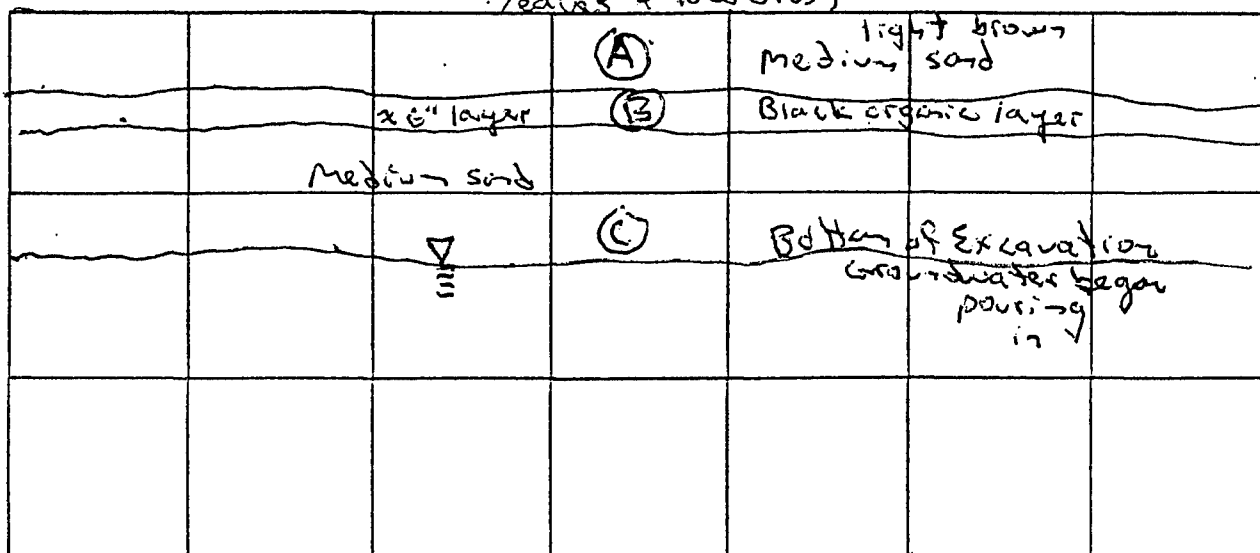
TEST PIT RECORD

2 of 2

Profile Along Test Pit: 57E-95-14X

Site: AOC 57

SKETCH MAP OF TEST PIT PROFILE



SCALE 1" = 5 FT. vertical; 1" = 1' horizontal
 DEPTH (FT). 6 ft groundwater started pouring in

NOTES:

(A) Medium sand poorly graded damp; very loose; light to yellowish brown; SP

(B) Black organic layer (6" thick) approximately 2 ft below ground surface. Septic odor noted.

(C) Similar to (A) except wet.

no.	Sample Number	Depth (Ft.)	HD, SP, VOA PPM
(A) S-1	EX 571404	0-1 ft	Open
(B) S-2	EX 571402	2 ft	Open
(C) S-3	EX 571406	6 ft	Open
S-4			
S-5			
S-6			
S-7			
S-8			

REFERENCE: FIELD BOOK, Pg. 14-15

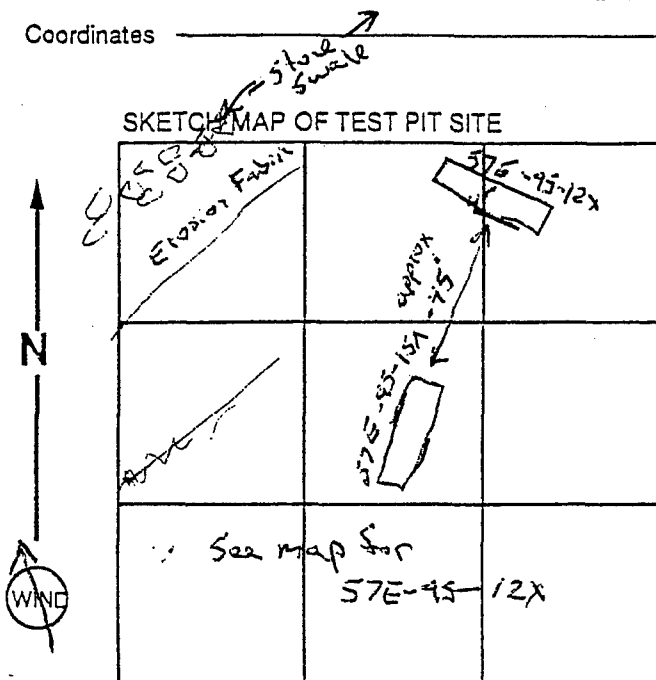
ATTACHMENTS None

SIGNATURE: AD Jones

Lab
 on-site
 on-site

TEST PIT RECORD

Site: AOC 57 Client: AFC Project No.: 9144-0212
 Test Pit: 57E-95-15X Date: 9-21-95 Time: 8:50 End: 9:30
 Coordinates: _____



SCALE 1" = None FT.

NOTES: Test pit approximately 10 ft long
Excavated to 5 ft where
groundwater entered trench
Soil backfilled into trench
within respective location from
which it was excavated

Crew Members:

1. Jake Jacobson (ABB-ES)
2. Tim Slager (ENPRO)
3. _____
4. _____
5. _____
6. _____

Monitor Equipment:

PI Meter	<input checked="" type="checkbox"/>	N
Explosive Gas	Y	<input checked="" type="checkbox"/>
Avail. Oxygen	Y	<input checked="" type="checkbox"/>
OVA	Y	<input checked="" type="checkbox"/>
Other	_____	_____

Photographs, Roll None

Exposure None

TEST PIT RECORD

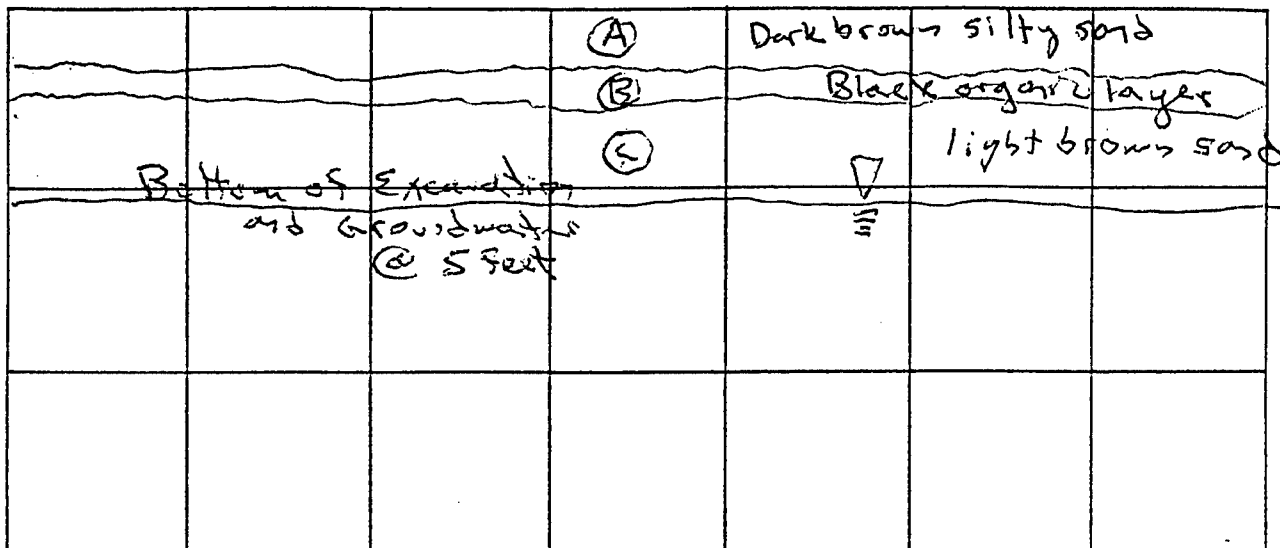
2 of 2

Profile Along Test Pit: 57E-95-15X

Site: AOC 57

Typical all walls

SKETCH MAP OF TEST PIT PROFILE



SCALE 1" = 5 FT. vertical; 1" = 1' horizontal
DEPTH (FT.) 5 ft

NOTES:

(A) Silty sand; well graded
10-15% fines w/ 5-10% gravel
dry to damp; very loose;
dark brown; silty; many roots

(B) Black layer; fuel odor
small; 5 ppm noted in the
trench; layer is approximately
6" wide and about 18" to 25"
below grade; soil very cohesive
and moist; appears to contain
organic material (decayed wood)

(C) Medium to fine sand; poorly
graded; very wet; loose;
light brown to white; SP

no.	Sample Number	Depth (Ft.)	HD. SP. VOA PPM
S-1	EX 571500	0-1 ft	0 ppm
S-2	EX 571502	2 ft	12 ppm
S-3	EX 571505	5 ft	3.2 ppm
S-4			
S-5			
S-6			
S-7			
S-8			

* MS/ASD sample collected @ 2'
Grain size collected @ 2'

REFERENCE: FIELD BOOK, Pg. 16-17

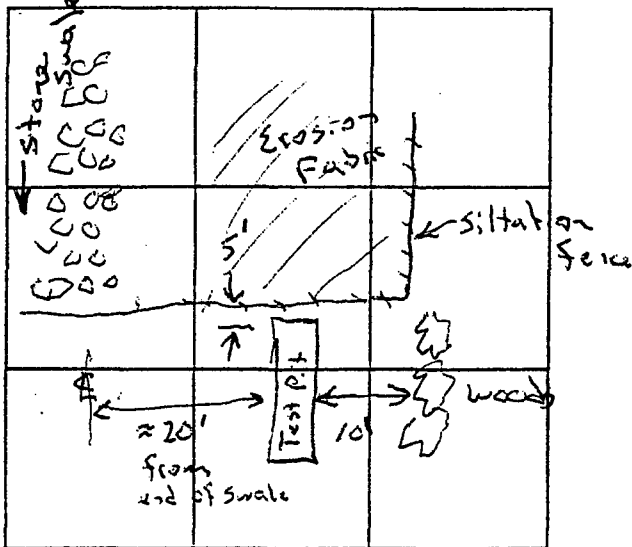
ATTACHMENTS None

SIGNATURE: RD [signature]

TEST PIT RECORD

Site: AOC 57 Client: AFC Project No.: 9144-021 of 2
Test Pit 57E-95-16X Date 9-21-95 Time 10:05 End 10:35
Coordinates _____

SKETCH MAP OF TEST PIT SITE



SCALE 1" = 100 FT.

NOTES:

Test pit approximately
10 feet long. excavated to
5 feet where groundwater seeped
in. Oil sheen noted on ~~and~~
groundwater entering trench.
Soil backfilled into trench
within respective location
from which it was excavated

Crew Members:

1. Jake Jacobson (ABB-E'S)
2. Tim Slager (ENPRO)
- 3.
- 4.
- 5.
- 6.

Monitor Equipment:

PI Meter	<u>Y</u>	<u>N</u>
Explosive Gas	Y	<u>N</u>
Avail. Oxygen	Y	<u>N</u>
OVA	Y	<u>N</u>
Other		

Photographs, Roll None

Exposure None

TEST PIT RECORD

2 of 2

Profile Along Test Pit: 57E-95-16X

Site: AOC 57

Typical all walls

SKETCH MAP OF TEST PIT PROFILE

dark brown silty sand	(A)		
Black organic layer	(B)	Approx 6" to 1' thick	
light brown med sand	(C)		

Bottom @ 5'
Water Level
Seeping in a 5'
* Oil stain
noted on
water surface

SCALE 1" = 5 FT. vertical; 1" = 1' horizontal
DEPTH (FT.) 5 ft

NOTES: (A) silty sand; well graded;
10-15% fines; 5-10% gravel
up to 3/4" to 1" diameter
angular; dry to damp; very
loose; dark brown; SM;
many roots

(B) Black layer; fuel odor
noted (3 ppm from stack pile)
Soil very moist containing
organics (roots).

(C) Medium sand; poorly graded
very wet; loose; light
brown to white; fuel
odor detected. Sample
may have been collected
below the water table.
water began coming in
at 2.5 ft.

Soil type

no.	Sample Number	Depth (Ft.)	HD. SP. VOA PPM
S-1	EX571600	0-1'	0 ppm
S-2	EX571603	3'	7.8 ppm
S-3	EX571605	5'	3.2 ppm
S-4			
S-5			
S-6			
S-7			
S-8			

Lab
on-site
on-site

Gradation sample
collected only at 3' level

REFERENCE: FIELD BOOK, Pg. 17

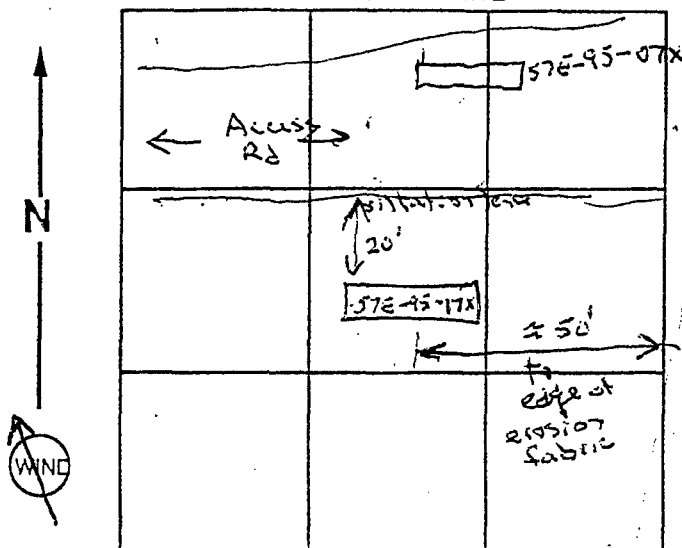
ATTACHMENTS None

SIGNATURE: AD J...

TEST PIT RECORD

Site: AOC 57 Client: AEC Project No.: 9144-02 1 of 2
 Test Pit: 57E-95-17X Date: 9-21-95 Time: 11:00 End: 11:40
 Coordinates: _____

SKETCH MAP OF TEST PIT SITE



SCALE 1" = None FT.

NOTES:

Test pit approximately 10 ft long, excavated to 0.5 ft where groundwater was encountered.

Crew Members:

1. Jake Jacobson (ABB-ES)
2. Tim Slager (ENPRO)
- 3.
- 4.
- 5.
- 6.

Monitor Equipment:

PI Meter ☒ Y ☐ N
 Explosive Gas ☐ Y ☒ N
 Avail. Oxygen ☐ Y ☒ N
 OVA ☐ Y ☒ N
 Other _____

Photographs, Roll None

Exposure None

TEST PIT RECORD

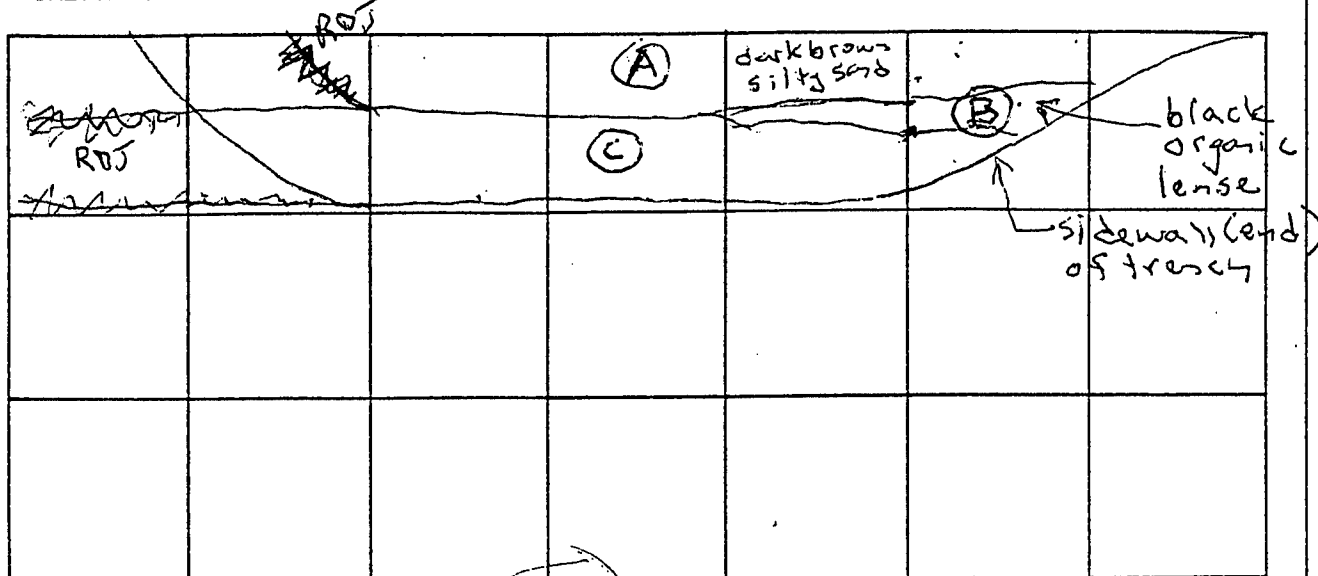
2 of 2

Profile Along Test Pit: 57E-95-17X

Site: AOC 57

North wall - similar to south wall

SKETCH MAP OF TEST PIT PROFILE



SCALE 1" = 5 FT. vertical; 1" = 2' horizontal
DEPTH (FT). 5 ft

NOTES:

(A) Silty sand; poorly graded
20-30% fines; very dry; very
loose; dense roots; dark brown;
SM

(B) Black layer; Strong fuel
odor (7 ppm in trench) very
cohesive; contains organic material
almost mastic like consistency;
Appeared to be approximately
6 in to 1 ft thick at the
east end of the trench

(C) medium to coarse sand; some (5%)
gravel; poorly graded; very wet
light brown mottled with
white. Strong fuel odor
detected. Sample may
have been collected below
water table. water began
coming into the trench
at 5 feet.

no.	Sample Number	Depth (Ft.)	HD. SP. VOA PPM
(A) S-1	EX571700	0-1'	0.0 ppm
(B) S-2	EX571702	2'	21.5 ppm
(C) S-3	EX571703	5'	93.0 ppm
S-4			
S-5			
S-6			
S-7			
S-8			

Gradiation taken @ 0' and 2'

REFERENCE: FIELD BOOK, Pg. 17-18

ATTACHMENTS

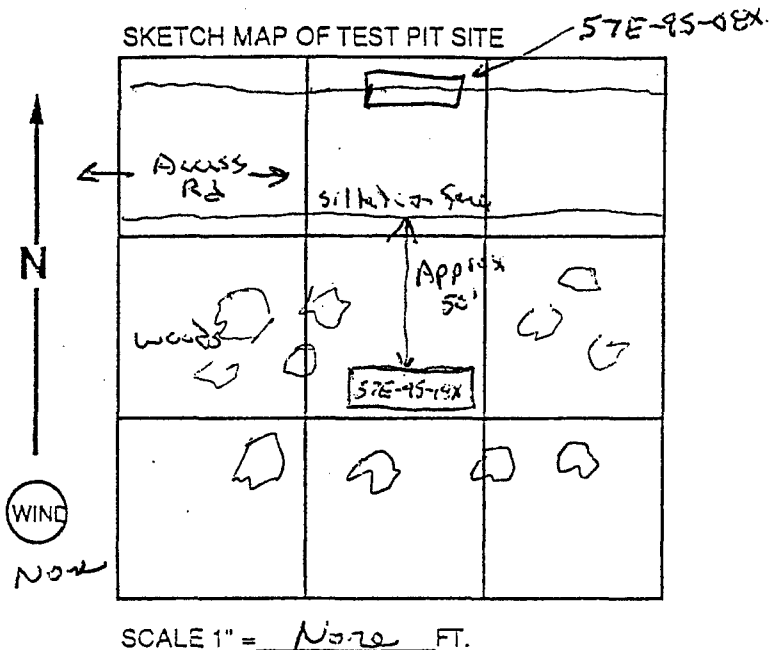
None

SIGNATURE:

RD Jansen

TEST PIT RECORD

Site: AOC 57 Client: AEC Project No.: 9144-02 1 of 2
 Test Pit: 57E-95-18X Date: 9-21-95 Time: 13:00 End: 13:30
 Coordinates: _____



NOTES: _____

Test pit approximately 10 ft long
Excavated to 3 feet where
groundwater was encountered

Soil backfilled into trench
within respective location
from which it was excavated.

Crew Members:

1. Jake Jacobson (ABB-ES)
2. Tim Slager (ENPRO)
3. _____
4. _____
5. _____
6. _____

Monitor Equipment:

PI Meter	<input checked="" type="radio"/> Y	<input type="radio"/> N
Explosive Gas	<input type="radio"/> Y	<input checked="" type="radio"/> N
Avail. Oxygen	<input type="radio"/> Y	<input checked="" type="radio"/> N
OVA	<input type="radio"/> Y	<input checked="" type="radio"/> N
Other	_____	

Photographs, Roll None

Exposure None

TEST PIT RECORD

2 of 2

Profile Along Test Pit: 57E-95-10X

Site: AOC 57

Typical
air walls
SKETCH MAP OF TEST PIT PROFILE

right vegetation

			(A)	Black organic layer	
			(B)	medium to fine sand	
			(C)	medium sand	
				gravel at bottom of pit @ 3 ft	

SCALE 1" = 5 FT. vertical; 1" = 1' horizontal
DEPTH (FT.) 3 ft

NOTES:

- (A) Black layer; no fuel odor detected; All organic material wet. No DID reading above bkg.
- (B) medium to fine sand; poorly graded; wet; loose; light brown
- (C) coarse to medium sand; poorly graded; very wet; loose; light brown to whiter than (B); grain size slightly coarser than (B)

soil type

no.	Sample Number	Depth (Ft.)	HD. SP. VOA PPM
S-1	EX571800	0-1'	C pp-
S-2	EX571802	2'	C pp-
S-3	EX571803	2 1/2-3'	C pp-
S-4			
S-5			
S-6			
S-7			
S-8			

Grain size collected @ 2'

REFERENCE: FIELD BOOK, Pg. 18

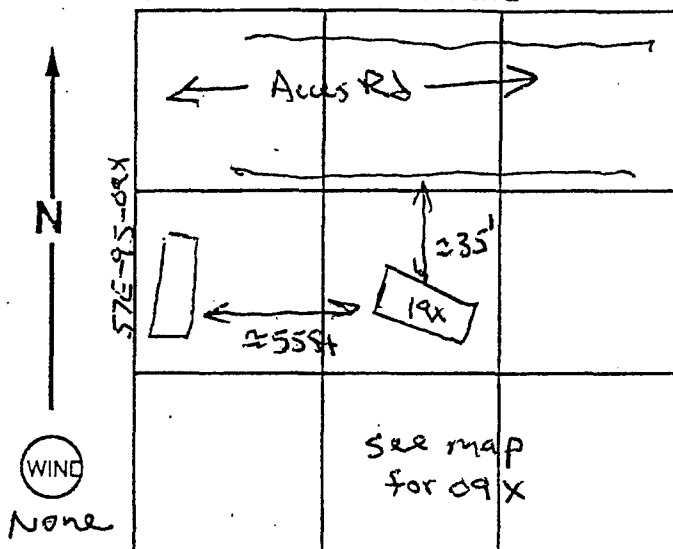
ATTACHMENTS None

SIGNATURE: RD Jacoby

TEST PIT RECORD

Site: AOC 57 Client: AEC Project No.: 9144-021 of 2
 Test Pit: 57E-95-19X Date: 9-21-95 Time: 14:00 End: 14:30
 Coordinates: _____

SKETCH MAP OF TEST PIT SITE



SCALE 1" = None FT.

NOTES:

Test pit approximately
 10 feet long. Excavated
 to 3 1/2 feet where groundwater
 was encountered.

Soil backfilled into trench
 within respective location
 from which it was excavated.

Crew Members:

1. Jake Jacobson (ABB-ES)
2. Tim Slager (ENPRO)
- 3.
- 4.
- 5.
- 6.

Monitor Equipment:

PI Meter ☒ Y N
 Explosive Gas ☐ Y N
 Avail. Oxygen ☐ Y N
 OVA ☐ Y N
 Other _____

Photographs, Roll None

Exposure None

TEST PIT RECORD

2 of 2

Profile Along Test Pit: 57E-95-19X

Site: AOC 57

Typical all walls

SKETCH MAP OF TEST PIT PROFILE

	1-1 1/2' thick	(A)	med brown silty sand
	6"-1' thick	(B)	Black organic layer
		(C)	▽ groundwater @ 3 1/2 feet

SCALE 1" = 5 FT. vertical; 1" = 1' horizontal
DEPTH (FT.) 3 1/2 ft

NOTES:

(A) silty sand; poorly graded
20-25% fines; very dry (dusty)
very loose; medium brown; SP
numerous roots

(B) Black layer; no noticeable
septic or fuel odor.
PID = 0.0ppm; soil very cohesive;
very moist.

(C) medium sand; poorly graded;
very wet. Sample collected
above water level; loose;
light to yellowish brown; SP

soil type

no.	Sample Number	Depth (Ft.)	HD. SP. VOA PPM
S-1	EX571900	0-1'	0 ppm
S-2	EX571902	2'	0 ppm
S-3	EX571903	3'	0 ppm
S-4			
S-5			
S-6			
S-7			
S-8			

Lab

on-site
on-site
on-site

REFERENCE: FIELD BOOK, Pg. 18-19

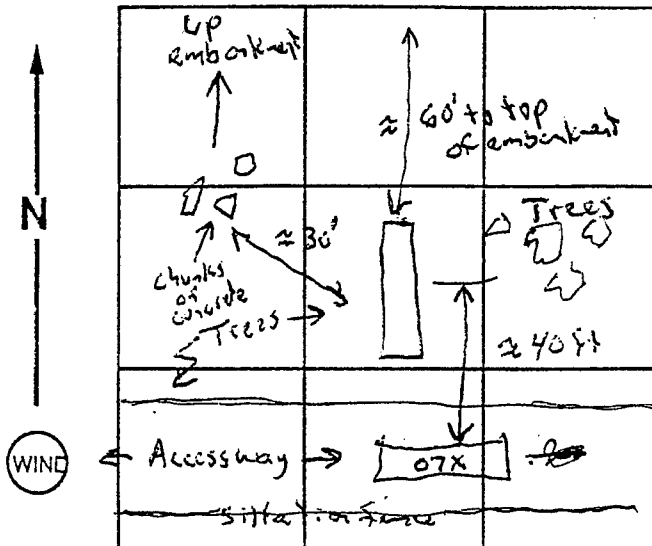
ATTACHMENTS None

SIGNATURE: RP J...

TEST PIT RECORD

Site: AOC 57 Client: AFC Project No.: 9144-02 of 2
 Test Pit: 57E-95-20X Date: 9-21-95 Time: 15:00 End: 15:30
 Coordinates: _____

SKETCH MAP OF TEST PIT SITE



SCALE 1" = None FT.

NOTES:

Test pit approximately 10 feet long. Excavated to 6 ft where groundwater was encountered. Top 5 feet of material seems to be fill material. (charcoal brogrets found at least 2 ft below grade.

No black organic layer was observed.

Crew Members:

1. Jake Jacobson (ABB-ES)
2. Tim Slager (ENPRO)
- 3.
- 4.
- 5.
- 6.

Monitor Equipment:

PI Meter ☒
 Explosive Gas ☒
 Avail. Oxygen ☒
 OVA ☒
 Other ☐

Photographs, Roll None

Exposure None

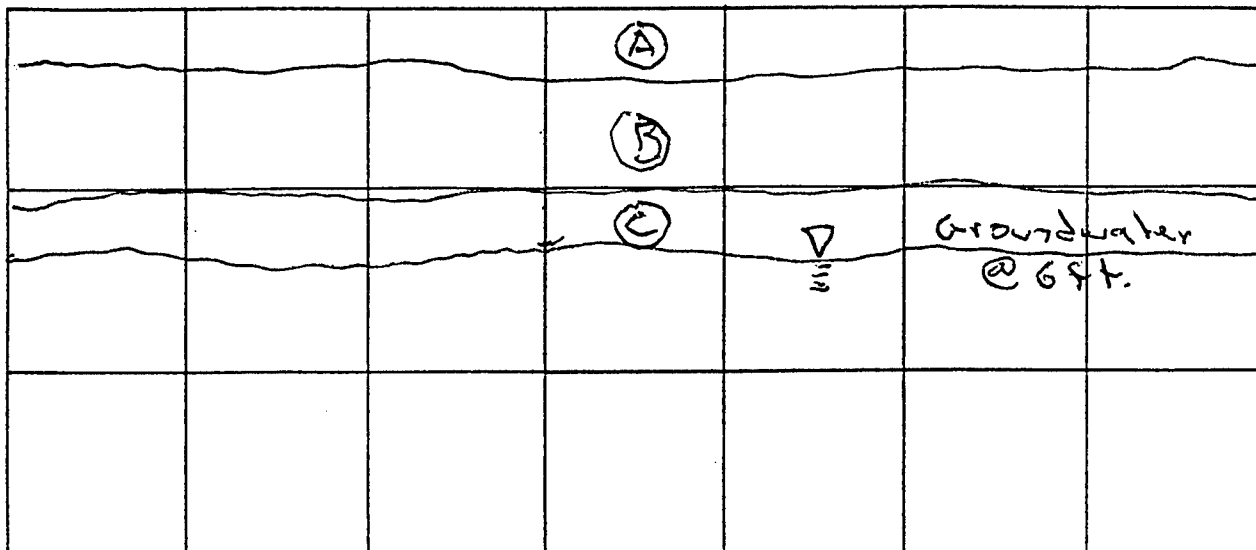
TEST PIT RECORD

2 of 2

Profile Along Test Pit: 57E-95-20X

Site: AOC 57

SKETCH MAP OF TEST PIT PROFILE



SCALE 1" = 5 FT. vertically; 1" = 1' horizontal
DEPTH (FT). 6 ft to groundwater

NOTES:

(A) Medium to fine sand; poorly graded; ~~very~~ very dry; very loose; light brown; SP

(B) medium sand; well graded; 5% to 10% fines; 5-10% gravel some cobbles up to 6" diameter The boulders (see below) are believed to be from this level; damp; loose; dark brown; SW

(C) medium w/ some coarse sand; poorly graded; very wet loose; light to yellowish brown; SP

Approx 8 objects shaped like charcoal briquets were noted within the excavated material

Note: No black organic layer was noted in this pit

Soil type

no.	Sample Number	Depth (Ft.)	HD. SP. VOA PPM
(A) S-1	EX572000	0-1'	0 PPM
(B) S-2	EX572003	3'	0 PPM
(C) S-3	EX572005	5'	0 PPM
S-4			
S-5			
S-6			
S-7			
S-8			

REFERENCE: FIELD BOOK, Pg. 19

ATTACHMENTS None

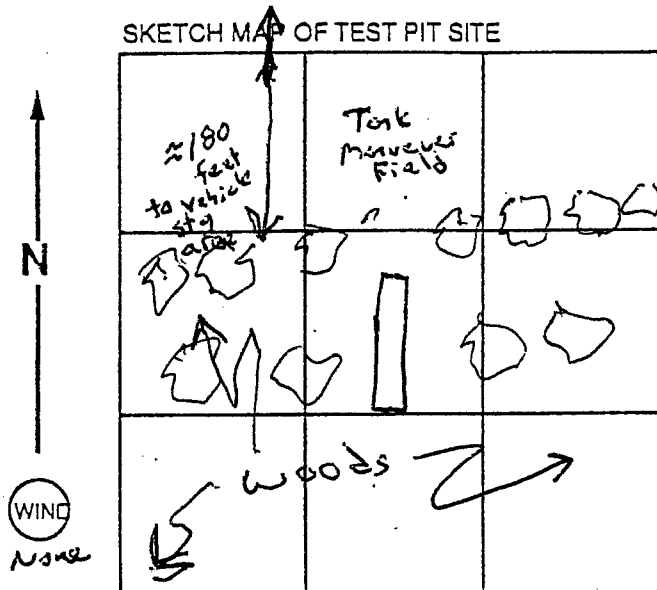
SIGNATURE: RD [Signature]

Lab

01- site
07- site
07- off

TEST PIT RECORD

Site: AOC 57 Client: AFC Project No.: 9144-02 1 of 2
 Test Pit: 57E-95-21X Date: 9-22-95 Time: 08:00 End: 4:10
 Coordinates: _____



SCALE 1" = None FT.

NOTES:

Test pit approximately 10 ft long. Approximately 3 to 4 ft. appears to be fill. Debris such as bricks, nails, ash, glass, iron were noted. Green light powdery material surrounding the chunk of what appeared to be metal was collected and sampled. Below four feet was clean medium to fine sand. Excavation went to 10 ft. No groundwater was encountered.

Crew Members:

1. Jake Jacobson (ABB-ES)
2. Tim Slager (ENPRO)
- 3.
- 4.
- 5.
- 6.

Monitor Equipment:

PI Meter	<input checked="" type="radio"/> Y	<input type="radio"/> N
Explosive Gas	<input type="radio"/> Y	<input checked="" type="radio"/> N
Avail. Oxygen	<input type="radio"/> Y	<input checked="" type="radio"/> N
OVA	<input type="radio"/> Y	<input checked="" type="radio"/> N
Other	_____	

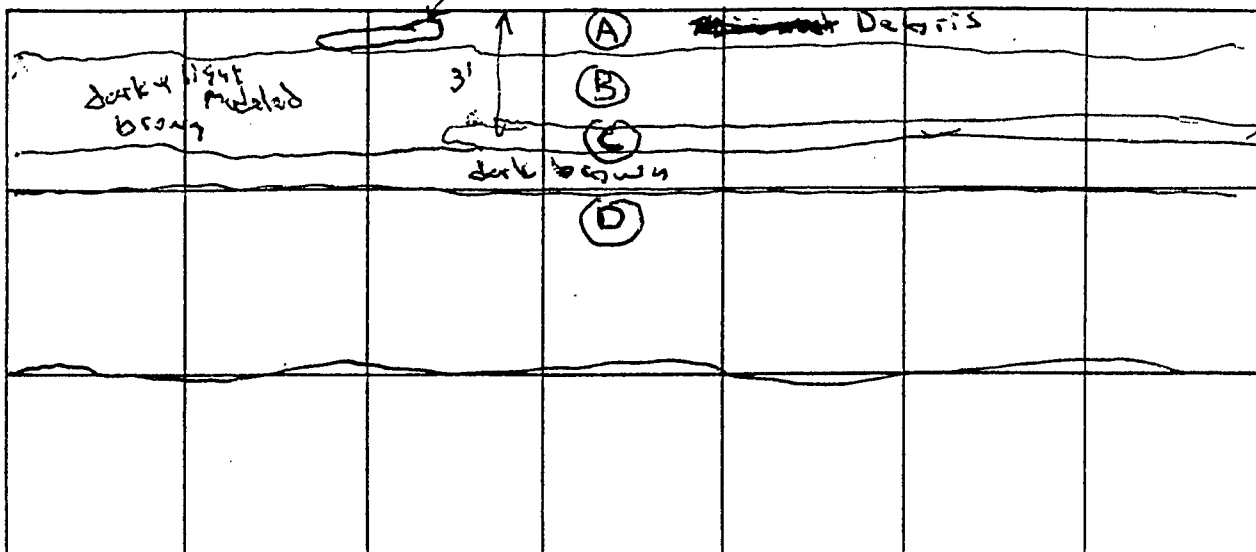
Photographs, Roll None

Exposure None

TEST PIT RECORD

Profile Along Test Pit: 57E-95-21X EPIC 1 TP 4 2 of 2
 Site: AOC 57

West wall (typical of all walls)
 SKETCH MAP OF TEST PIT PROFILE *steel strapping*



SCALE 1" = 5 FT. vertical; 1" = 1' horizontal
 DEPTH (FT.) 10 ft

NOTES:

(A) Ash, some charcoal; silty sand
 dark brown; nails; steel strapping
 (2 pieces) 2 small boards 6"x10" x 1/2"
 Pipe (4 ft long); papi bottle

(B) medium sand, poorly graded
 damp; light brown; trace of
 silt; contains some debris (nails, metal)

(C) layer of cinders, ash, brick
 glass, nails; iron object
 found with light green material
 surrounding it. This green material
 was sampled.

(D) medium to fine sand; trace of fines
 dry; ~~very~~ loose; light brown to
 orange brown; Appears
 to be native material.

soil type

no.	Sample Number	Depth (Ft.)	HD. SP. VOA PPM
(A) S-1	EF572100	0-1'	0 ppm
S-2	EX572108	3'	0 ppm
S-3	EF572106	6'	0 ppm
S-4	EF572110	10'	0 ppm
S-5			
S-6			
S-7			
S-8			

REFERENCE: FIELD BOOK, Pg. 20

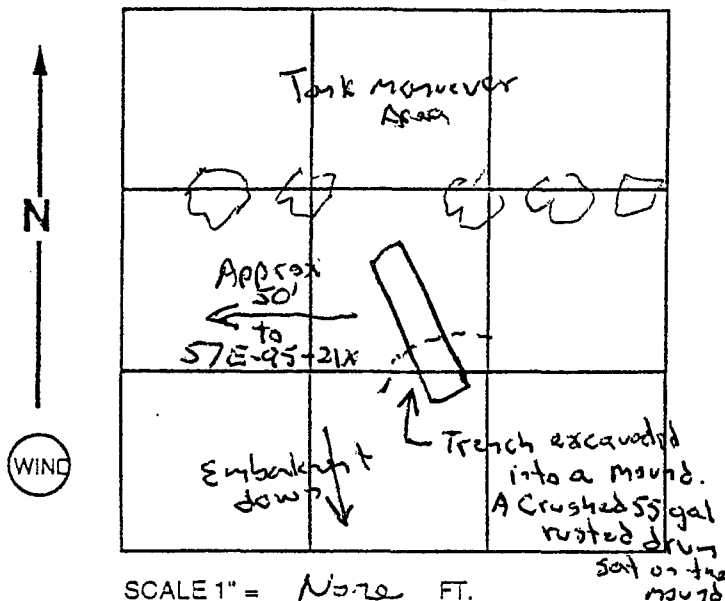
ATTACHMENTS None

SIGNATURE: RD Juch

TEST PIT RECORD

Site: AOC 57 Client: AFC Project No.: 9144-02 1 of 2
 Test Pit: 57E-95-22X Date: 9-22-95 Time: 9:20 End: 10:10
 Coordinates: _____

SKETCH MAP OF TEST PIT SITE



SCALE 1" = None FT.

NOTES:

Test pit approximately 10 ft long. Trench excavated partly into a small mound (approx 20ft high) at the edge of the embankment. A crushed rusted 55 gallon drum sat on top of this mound on the ground surface. Pit excavated to about 10 ft deep. No groundwater encountered. The top approximately 4 to 5 foot layer appears to contain some debris (brick, ash, glass, nails)

Crew Members:

1. Jake Jacobson (ABB-ES)
2. Tim Slager (ENPRO)
- 3.
- 4.
- 5.
- 6.

Monitor Equipment:

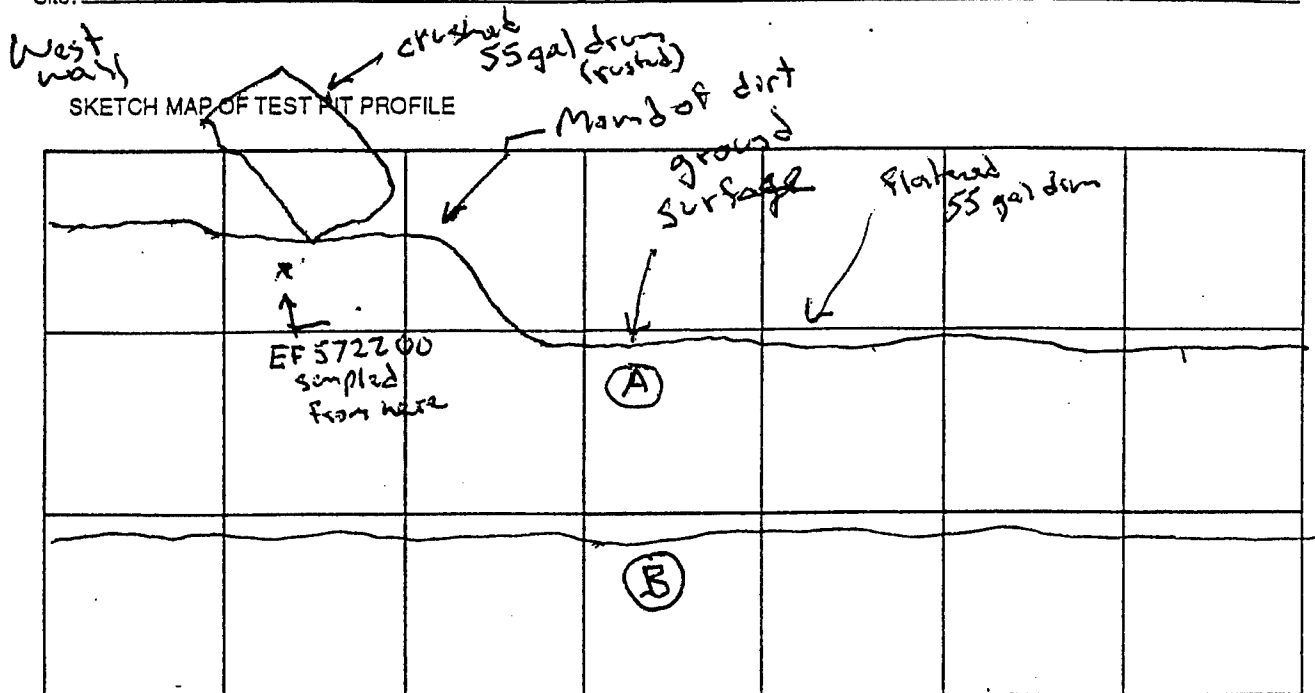
PI Meter	<input checked="" type="radio"/> Y	<input type="radio"/> N
Explosive Gas	<input type="radio"/> Y	<input checked="" type="radio"/> N
Avail. Oxygen	<input type="radio"/> Y	<input checked="" type="radio"/> N
OVA	<input type="radio"/> Y	<input checked="" type="radio"/> N
Other	_____	

Photographs, Roll None

Exposure None

TEST PIT RECORD

Profile Along Test Pit: 57E-95-22X EPIC 1 TP-3 2 of 2
 Site: AOC 57



SCALE 1" = 5 FT. vertical; 1" = 1' horizontal
 DEPTH (FT.) 10

NOTES:

(A) Silty sand; well graded; 15 to 20% fines; very loose; very dry; dark brown; SM; appears to be fill material containing some pieces of brick, coal; 3 bottles, chunks of pavement, some ash.

(B) Clean medium to fine sand; poorly graded; 5-10% fines; very loose; very dry; SP.

No groundwater encountered

Bottom of Excavation
 No groundwater encountered

no.	Sample Number	Depth (Ft.)	HD. SP. VOA PPM
S-1	EF572200	0-1'	0 ppm
S-2	EF572204	4'	0 ppm
S-3	EF572210	10'	0 ppm
S-4			
S-5			
S-6			
S-7			
S-8			

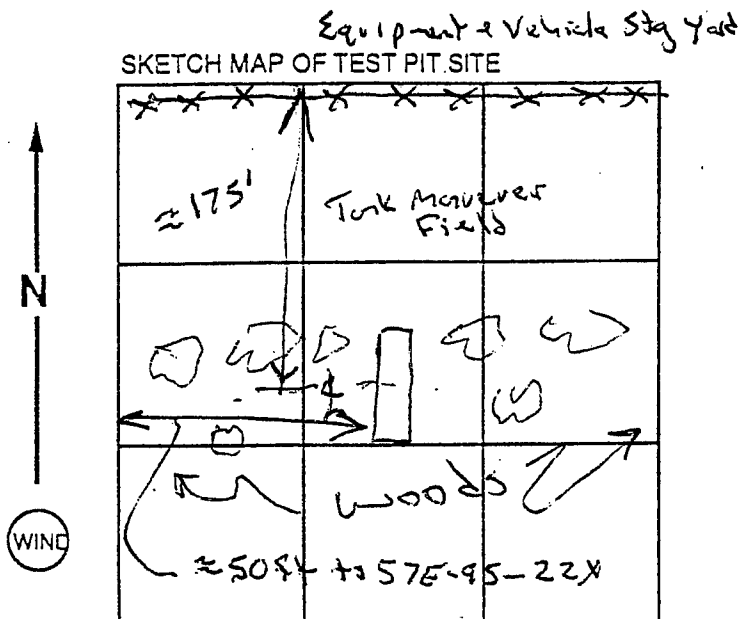
REFERENCE: FIELD BOOK, Pg. 20

ATTACHMENTS None

SIGNATURE: RD Jacob

TEST PIT RECORD

Site: AOC 57 Client: AEC Project No.: 9144-02 1 of 2
 Test Pit: 57E-95-23X Date: 9-22-95 Time: 10:30 End: 10:50
 Coordinates: _____



SCALE 1" = None FT.

NOTES: _____

Test pit approximately 10 ft.
 long. Excavated to approximately
 10 ft. No groundwater encountered.
 Some debris found in the
 top 5 ft. of soil.

Crew Members:

1. Jake Jacobson (ABB-ES)
2. Tim Slager (ENPRO)
- 3.
- 4.
- 5.
- 6.

Monitor Equipment:

PI Meter	<input checked="" type="radio"/> Y	<input type="radio"/> N
Explosive Gas	<input type="radio"/> Y	<input checked="" type="radio"/> N
Avail. Oxygen	<input type="radio"/> Y	<input checked="" type="radio"/> N
OVA	<input type="radio"/> Y	<input checked="" type="radio"/> N
Other	_____	

Photographs, Roll None

Exposure None

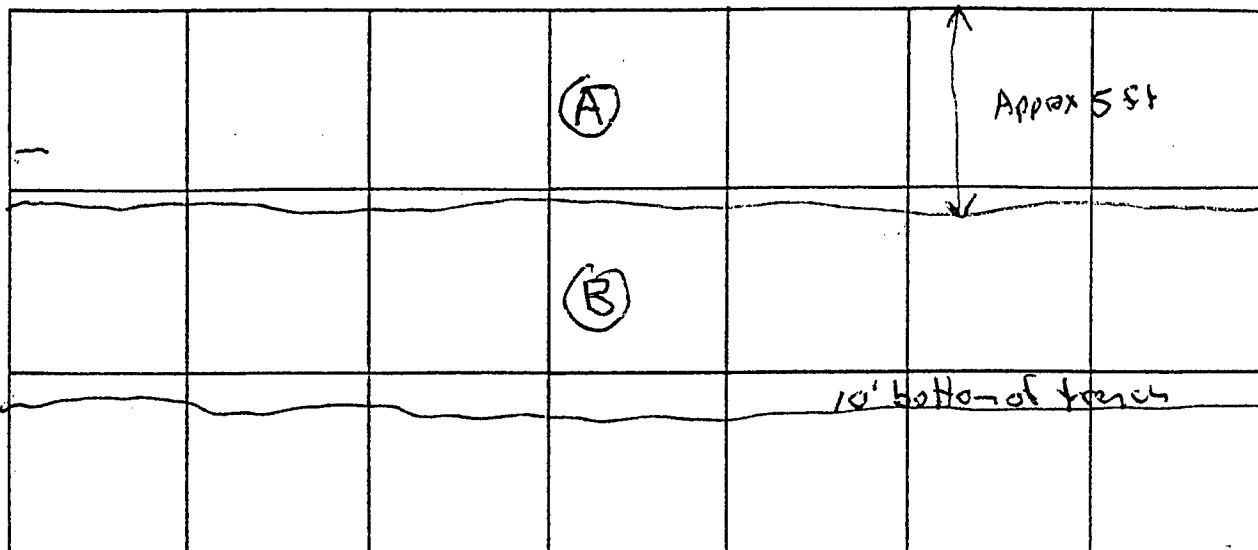
TEST PIT RECORD

2 of 2

Profile Along Test Pit: 57E-95-23X EPIC TP-2
 Site: AOC 57

Typical all walls

SKETCH MAP OF TEST PIT PROFILE



SCALE 1" = 5 FT. vertical; 1" = 1' horizontal
 DEPTH (FT). 10 ft

NOTES:

(A) Silty sand; well graded;
 15-20% fines; very loose;
 very dry; dark brown; SM
 Soil contains some debris;
 20 inch bolt; vehicle gear; metal
 strapping; some charcoal

(B) Clean medium to fine sand;
 poorly graded; 5-10% fines;
 very loose dry to damp
 with depth; SP

No groundwater encountered

no.	Sample Number	Depth (ft)	HD. SP. VOA PPM
S-1	EF572300	0-1'	Open
S-2	EF572301	4'	Open
S-3	EF572310	10'	Open
S-4			
S-5			
S-6			
S-7			
S-8			

REFERENCE: FIELD BOOK, Pg. 21

ATTACHMENTS None

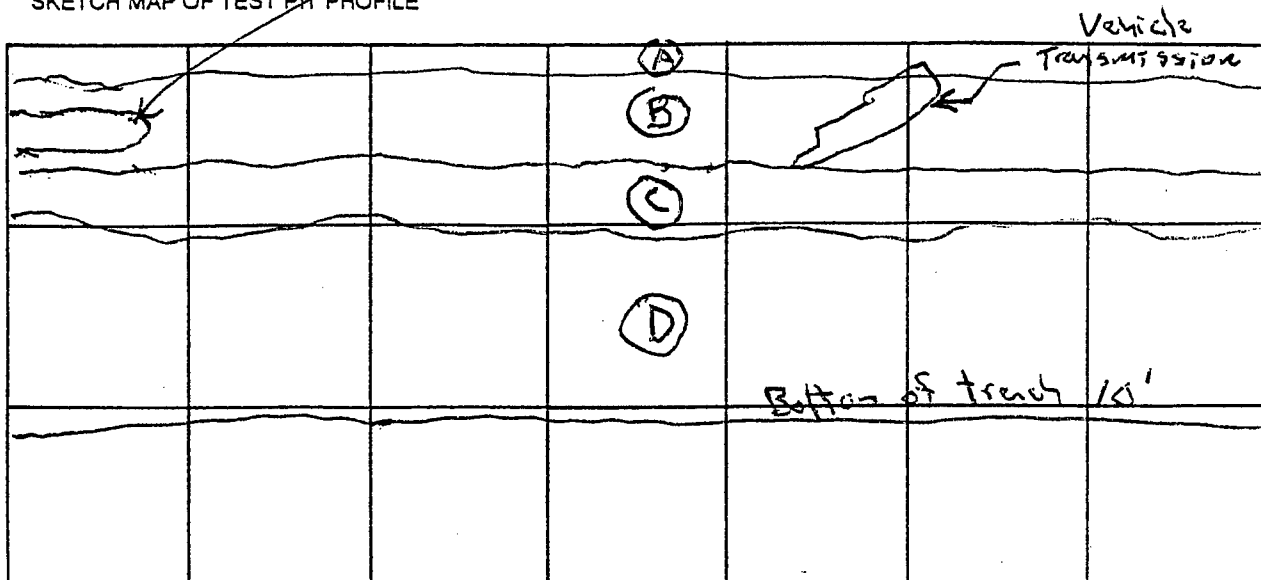
SIGNATURE: [Signature]

TEST PIT RECORD

Profile Along Test Pit: 57E-95-24X EPIC TP-1 2 of 2
 Site: AOC 57

East wall (Typical of all walls) Pocket of coal at N. end of trench approx 2-2 1/2 ft down

SKETCH MAP OF TEST PIT PROFILE



SCALE 1" = 5 FT. vertical; 1" = 1' horizontal
 DEPTH (FT.) 10 ft

NOTES:

- (A) ≈ 6" vegetative topsoil
- (B) Silty sand; well graded; 10-15% fines w/ 5% gravel; dry; loose; dark brown; SM; appears to be fill material; pocket of coal found at north end of trench approximately 1 1/2 to 2 1/2 ft down. A vehicle transmission was found in this zone as well.
- (C) Same or similar soil as above (B) except darker in color and had on fuel oil smell. Sample collected
- (D) Medium sand decreasing to fine sand with depth.

no.	Sample Number	Depth (Ft.)	HD. SP. VOA PPM
S-1	EX572400	0-1'	0 ppm
S-2	EX572404	4'	19 ppm
S-3	EX572407	7'	48 ppm
S-4	EX572410	10'	29 ppm
S-5			
S-6			
S-7			
S-8			

REFERENCE: FIELD BOOK, Pg. 21

ATTACHMENTS None

SIGNATURE: RD J...

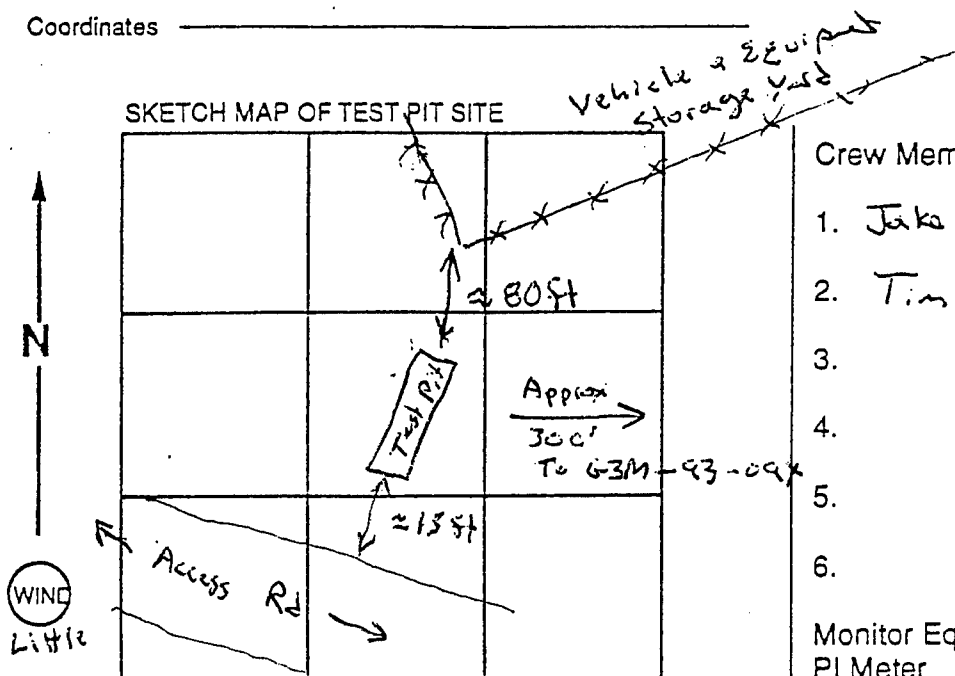
→ Gasoline odor detected; poorly graded; damp; loose; yellowish brown changing to grey with depth

gasoline odor
 oily odor

TEST PIT RECORD

EPIC
TP-1

Site: AOC 57 Client: AEC Project No.: 9144-02 1 of 2
Test Pit: 57E-95-24X Date: 9-22-95 Time: 11:15 End: 12:00
Coordinates: _____



SCALE 1" = None FT.

NOTES:

Test pit approximately 10 foot long. Vehicle transmission found in the top 2 to 3 foot layer.

A pocket of coal was found in the north end of the pit approximately 2 foot ~~long~~ thick, 1 foot long.

An approximate 6" to 1 ft thick layer of soil with fuel odor at approximately 4 ft below grade. Medium sand (native mat'l) below approximately 5 ft. had a gasoline odor. PID ~48 ppm, (head space).

Crew Members:

1. Jake Jacobson (ABB-ES)
2. Tim Slager (ENPRO)
- 3.
- 4.
- 5.
- 6.

Monitor Equipment:

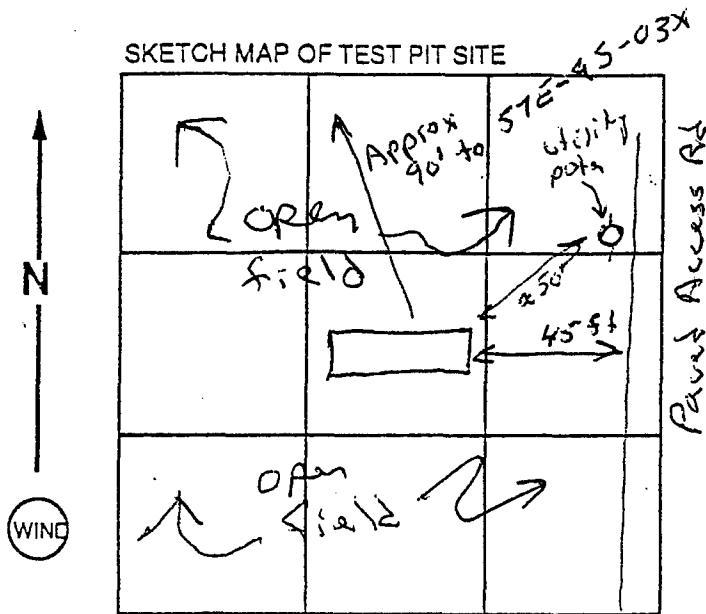
PI Meter ☒ Y ☐ N
Explosive Gas ☐ Y ☒ N
Avail. Oxygen ☐ Y ☒ N
OVA ☐ Y ☒ N
Other _____

Photographs, Roll None

Exposure None

TEST PIT RECORD

Site: AOC 57 Client: AFC Project No.: 9144-02 1 of 2
 Test Pit: 57E-95-25X Date: 9-22-95 Time: 13:20 End: 14:15
 Coordinates: _____



SCALE 1" = None FT.

NOTES:

Test pit approximately 10 feet
 long. Excavated down to 12 feet
 deep. No groundwater encountered

Crew Members:

1. Jake Jacobson (ABB-ES)
2. Tim Slager (ENPRO)
- 3.
- 4.
- 5.
- 6.

Monitor Equipment:

PI Meter ☒ Y ☐ N
 Explosive Gas ☐ Y ☒ N
 Avail. Oxygen ☐ Y ☒ N
 OVA ☐ Y ☒ N
 Other _____

Photographs, Roll None

Exposure None

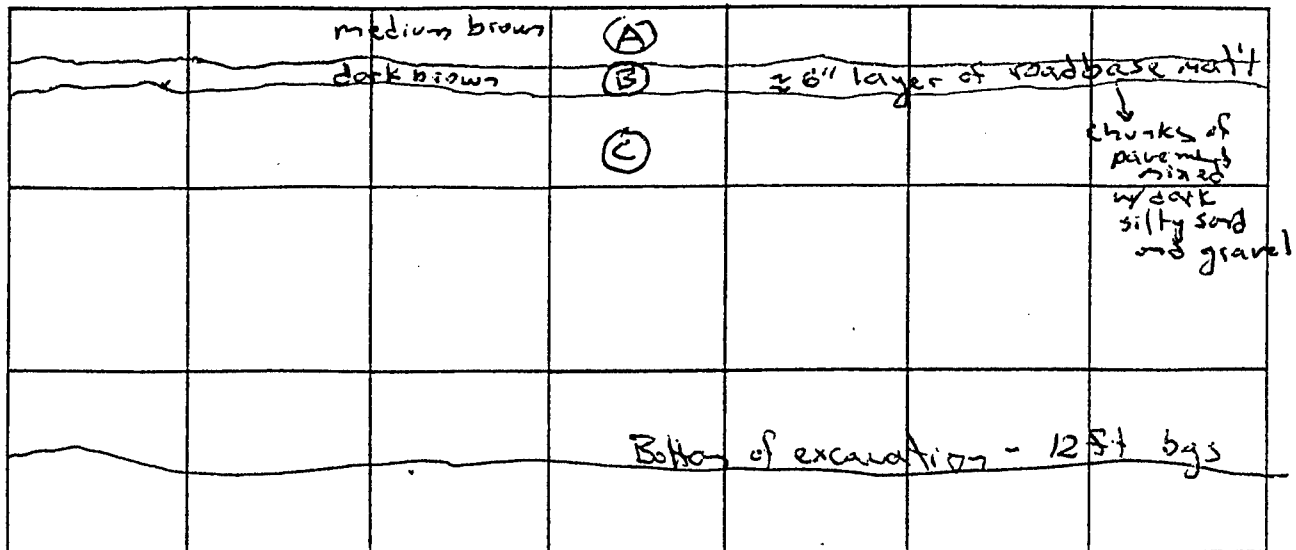
TEST PIT RECORD

2 of 2

Profile Along Test Pit: 57E-95-25 X

Site: AOC 57

SKETCH MAP OF TEST PIT PROFILE



SCALE 1" = 5 FT vertical; 1" = 1' horizontal
 DEPTH (FT.) 12

NOTES:

- (A) Silty sand with graded; 10-15% fines; 5-10% gravel; dry to damp; loose; ~~dark brown~~ medium brown; SM
- (B) Road base material with pieces of pavement and dark brown (darker than (A)) silty sand/gravel
- (C) Medium sand; poorly graded; damp; loose; brown turning to gray with depth

no.	Sample Number	Depth (Ft.)	HD, SP, VOA PPM
(A) S-1	EX572501	0-1'	0 ppb
(B) S-2	EX572502	2'	0 ppb
(C) S-3	EF572512	12'	0 ppb
S-4			
S-5			
S-6			
S-7			
S-8			

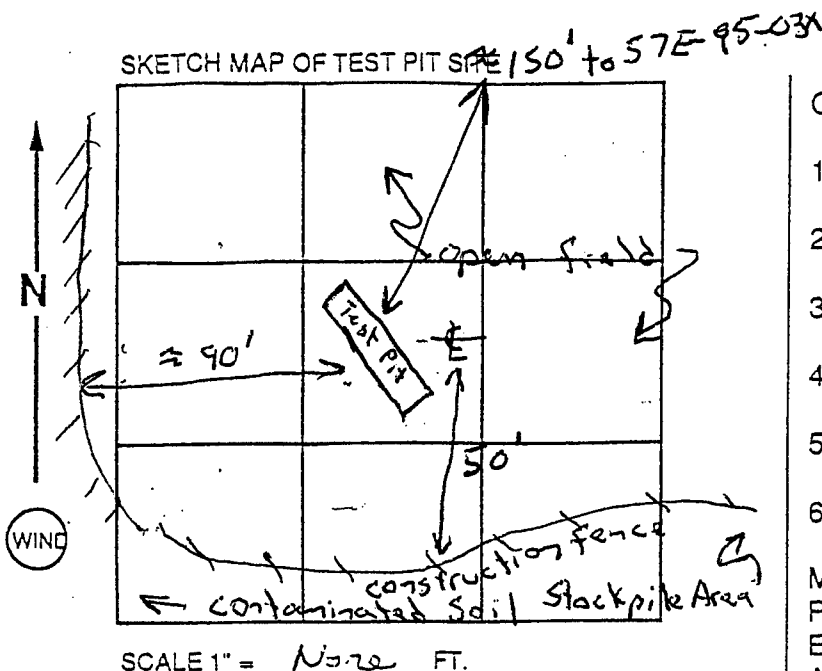
REFERENCE: FIELD BOOK, Pg. 22

ATTACHMENTS None

SIGNATURE: DD [Signature]

TEST PIT RECORD

Site: AOC 57 Client: AEC Project No.: 9144-02 1 of 2
 Test Pit: 57E-95-26X Date: 9-22-95 Time: 14:20 End: 15:20
 Coordinates: _____



NOTES:

Test pit approximately 10 ft
 long. Excavated down to
 11 feet. No groundwater encountered.

A thin (1 to 2" thick layer)
 layer of what appears to be
 coal ash & coal cinders is
 present at the approximate
 1 1/2 foot level.

Crew Members:

1. Jaka Jacobson (ABB-ES)
2. Tim Slager (ENPRO)
- 3.
- 4.
- 5.
- 6.

Monitor Equipment:

PI Meter	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Explosive Gas	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N
Avail. Oxygen	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N
OVA	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N
Other	_____	

Photographs, Roll None

Exposure None

TEST PIT RECORD

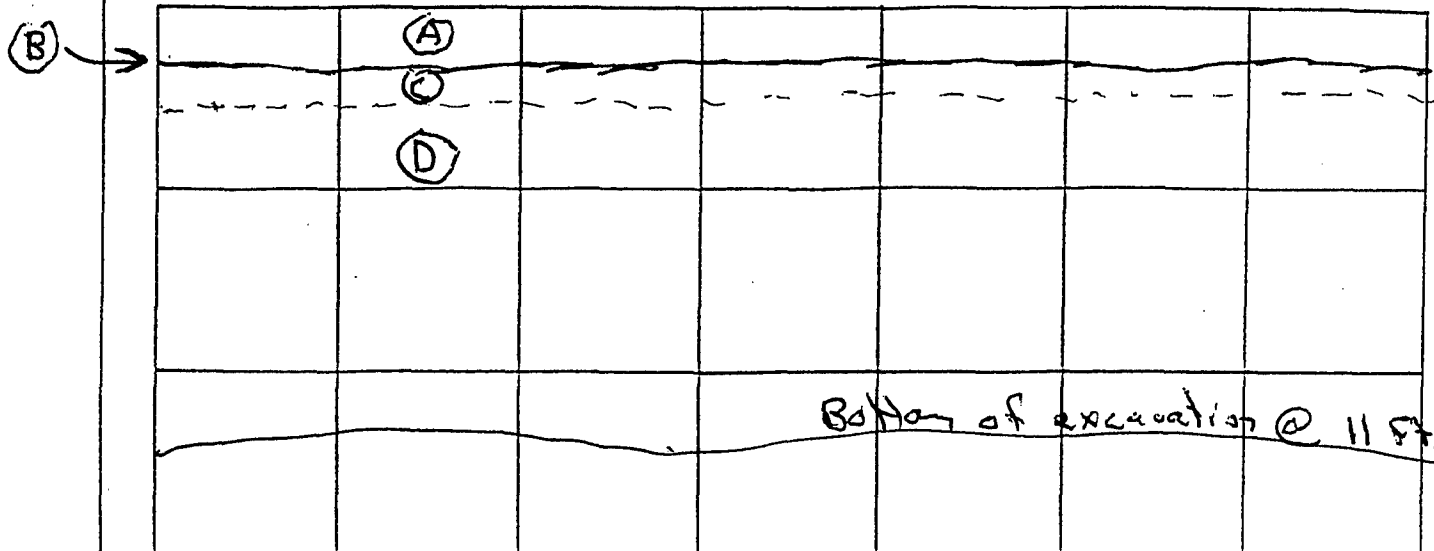
2 of 2

Profile Along Test Pit: 57E-95-26X

Site: AOC 57

Typical Profile - All walls

SKETCH MAP OF TEST PIT PROFILE



SCALE 1" = 5 FT. vertical; 1" = 1' horizontal
DEPTH (FT). 11 ft

NOTES:

- (A) Silty sand; well graded; 10-15% fines w/ 5-10% gravel; dry; loose; medium brown; SM
- (B) Thin (1" to 2" thick layer) of coal ash; cinders
- (C) Silty sand well graded; 15-20% fines w/ 5-10% gravel; dry; loose; light brown; SM
- (D) Clean medium sand; poorly graded; damp; loose; yellowish brown to gray with depth; SP

no.	Sample Number	Depth (Ft.)	HD. SP. VOA PPM
S-1	EF572600	0-1'	Oppn
S-2	EX572605	5'	Oppn
S-3	EF572611	11'	Oppn
S-4			
S-5			
S-6			
S-7			
S-8			

REFERENCE: FIELD BOOK, Pg. 22

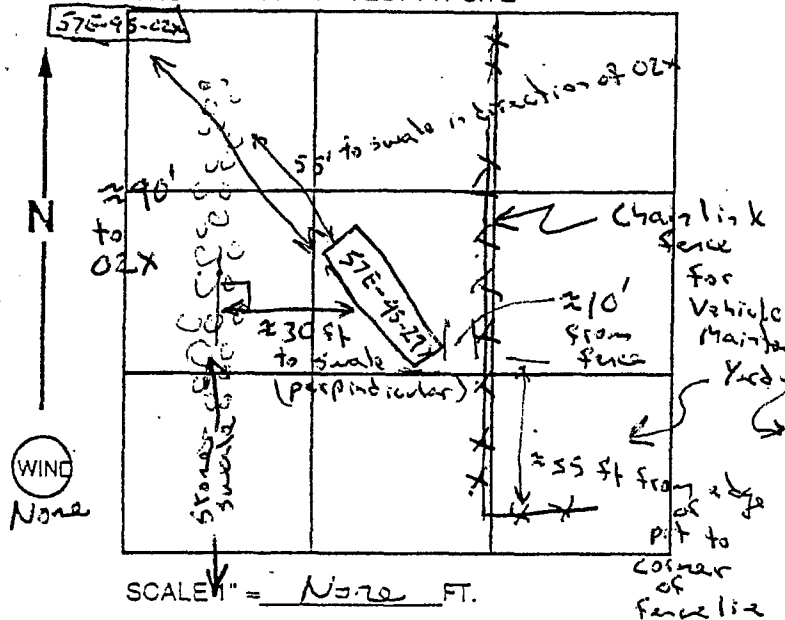
ATTACHMENTS None

SIGNATURE: PD Juler

TEST PIT RECORD

Site: AOC 57 Client: AFC Project No.: 9144-02 1 of 2
Test Pit 57E-95-27X Date 9-25-95 Time 10:00 End 10:40
Coordinates _____

SKETCH MAP OF TEST PIT SITE



NOTES:

Excavation - approximately 10 ft. long
and 12 ft deep No groundwater
encountered

Crew Members:

1. Jaka Jacobson (ABB-E's)
2. Tim Slager (ENPRO)
- 3.
- 4.
- 5.
- 6.

Monitor Equipment:

PI Meter	Y	N
Explosive Gas	Y	N
Avail. Oxygen	Y	N
OVA	Y	N
Other	Y	N

Photographs, Roll None

Exposure None

TEST PIT RECORD

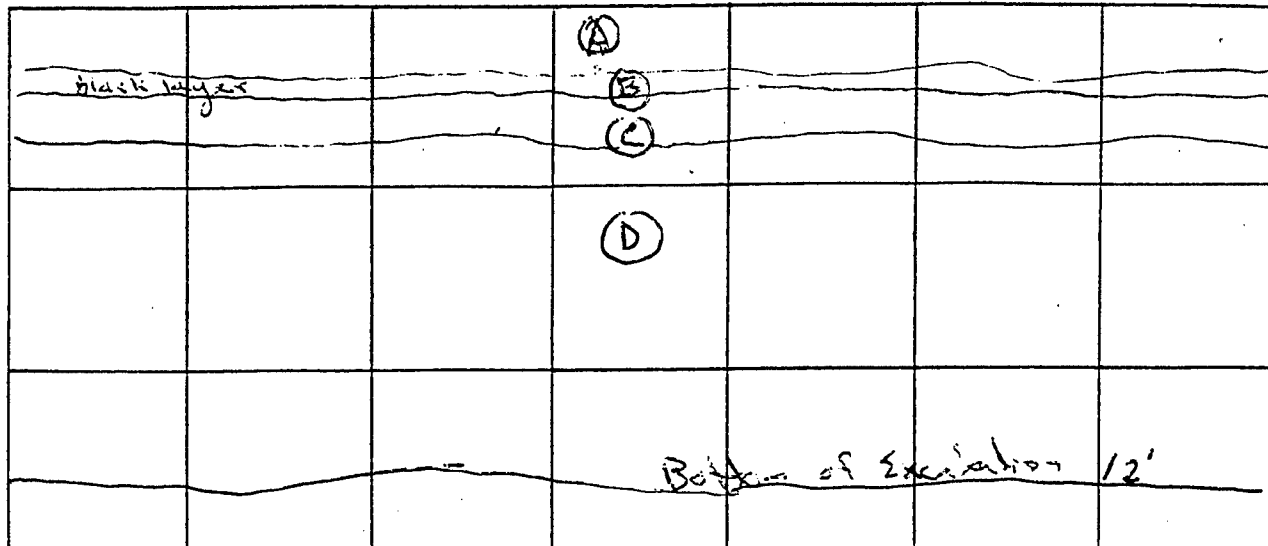
2 of 2

Profile Along Test Pit: 57E-95-27X

Site: AOC 57

Typical all walls

SKETCH MAP OF TEST PIT PROFILE



SCALE 1" = 5 FT. vertical; 1" = 1' horizontal
DEPTH (FT.) 12

NOTES:

- (A) Silty sand; well graded; 10-15% fines w/ 5-10% gravel; dry; loose; medium brown; SM
- (B) Thin (x 3" thick layer) of dark brown to black soil - may contain some coal ash. No cinders evident.
- (C) Silty sand; well graded; 15-20% fines w/ 5-10% gravel; loose; damp; light brown to reddish brown; SM
- (D) Clean medium sand; poorly graded; trace of gravel; tan to yellowish brown; SP; wet.

No groundwater encountered

no.	Sample Number	Depth (Ft.)	HD, SP, VOA PPM
S-1	EF572700	0-1'	0 ppm
S-2	EF572702	1.5'	0 ppm
S-3	EF572712	12'	0 ppm
S-4			
S-5			
S-6			
S-7			
S-8			

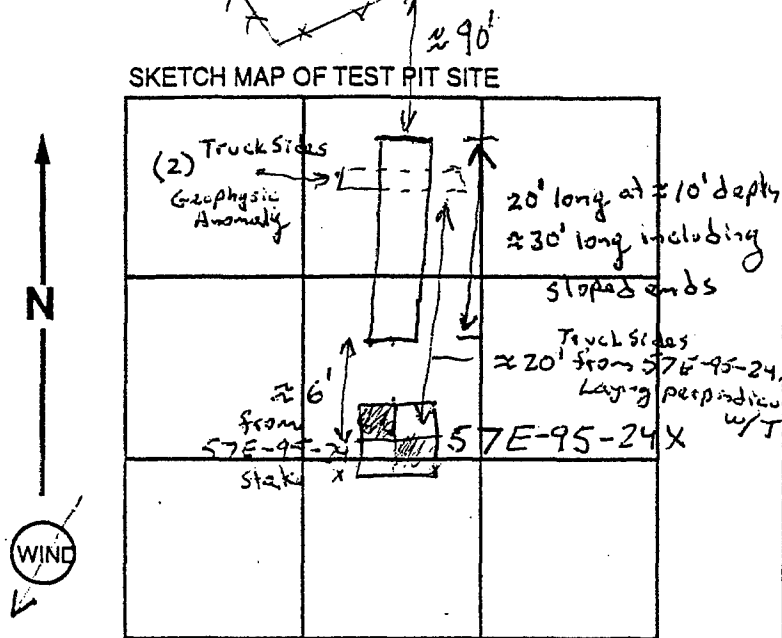
REFERENCE: FIELD BOOK, Pg. 24

ATTACHMENTS None

SIGNATURE: R.D. Green

TEST PIT RECORD

Site: AOL 57 Client: AEC Project No.: 9144-08 1 of 2
 Test Pit: 57E-96-28X Date: 9-18-96 Time: 13:30 End: 15:45
 Coordinates: _____



Crew Members:

1. Jacobson/ABB
2. Slater/Enpro
- 3.
- 4.
- 5.
- 6.

Monitor Equipment:

PI Meter	<input checked="" type="radio"/> Y	N
Explosive Gas	<input type="radio"/> Y	N
Avail. Oxygen	<input type="radio"/> Y	N
OVA	<input type="radio"/> Y	N
Other	_____	

NOTES:

Geophysical anomaly reported earlier was found to be two truck sides to a truck bed $\approx 12'$ long $\approx 1\frac{1}{2}'$ wide, made of steel.

See pg 2. Other metal debris noted.

Photographs, Roll None

Exposure DNA

TEST PIT RECORD

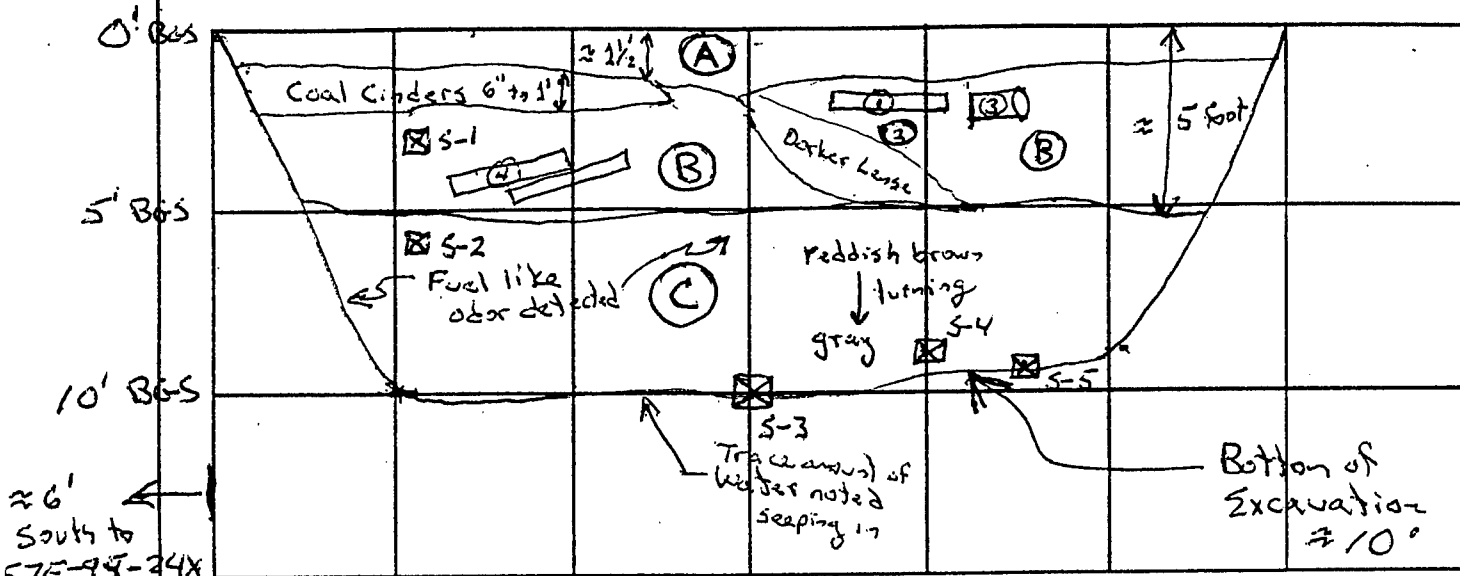
2 of 2

Profile Along Test Pit: 57E-96-28X

Site: AOC-57

WEST WALL*

SKETCH MAP OF TEST PIT PROFILE



SCALE 1" = 5' FT. 1 Block = 5' horiz & vertical DEPTH (FT.) 10'

NOTES:

3 General Soil Layers

(A) Silty Sand; poorly graded; 15-20% fines; dry; loose; light tan; SM

(B) Well graded sand; 10% fines; damp; medium brown; medium dense; SW-SH some trace gravel (5%); dark brown with lenses of darker brown soil. Debris noted: (1) ^{Geophysics} Anomaly was (2) 12' long x 1 1/2' wide steel truck bed sides or tail gates (3) Oil Filter (4) 5 gal steel bucket (5) 2" x 8" Boards ~ 4' to 5' long

Other debris noted - back saw blade, rubber belts (San), steel sheeting, steel strapping, brick.

(C) Fine to Medium Sand; poorly graded; medium dense; reddish brown turning to gray w/depth; wet @ 10 ft.; SP

* Note: East per wall profile similar except coal/cinder layer was not as evident.

** Off-site soil samples collected @ location S-3

no.	Sample Number	Depth (Ft.)	HD. SP. VOA PPM
S-1	EF572803	3'	Bkgd
S-2	EF572806	6'	146 ppm
S-3	EF572810	10'	105 ppm
S-4	EF572808	8'	Bkgd
S-5	EF572809	9'	Bkgd
S-6			
S-7			
S-8			

REFERENCE: FIELD BOOK, Pg. 1-4

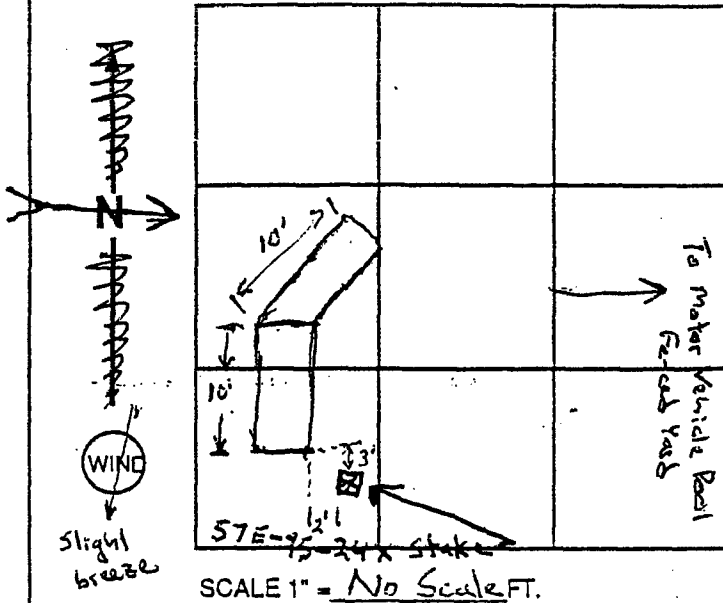
ATTACHMENTS None

SIGNATURE: [Signature]

TEST PIT RECORD

Site: AOL 57 Client: USAEC Project No.: 9144-08 1 of 2
 Test Pit 57E-96-29X Date 8-20-96 Time 8:45 End 11:20
 Coordinates _____

SKETCH MAP OF TEST PIT SITE



NOTES: _____

Test Pit 57E-96-29X dug
 west for 10 feet and then
 northwest for another 10 feet.
 Test pit depth was to
 approximately 10 ft bgs.

Crew Members:

1. Jacobson/ABB
2. Slater / Enpro
- 3.
- 4.
- 5.
- 6.

Monitor Equipment:

PI Meter	<input checked="" type="radio"/> Y	N
Explosive Gas	Y	N
Avail. Oxygen	Y	N
OVA	Y	N
Other	_____	

Photographs, Roll None

Exposure DNA

TEST PIT RECORD

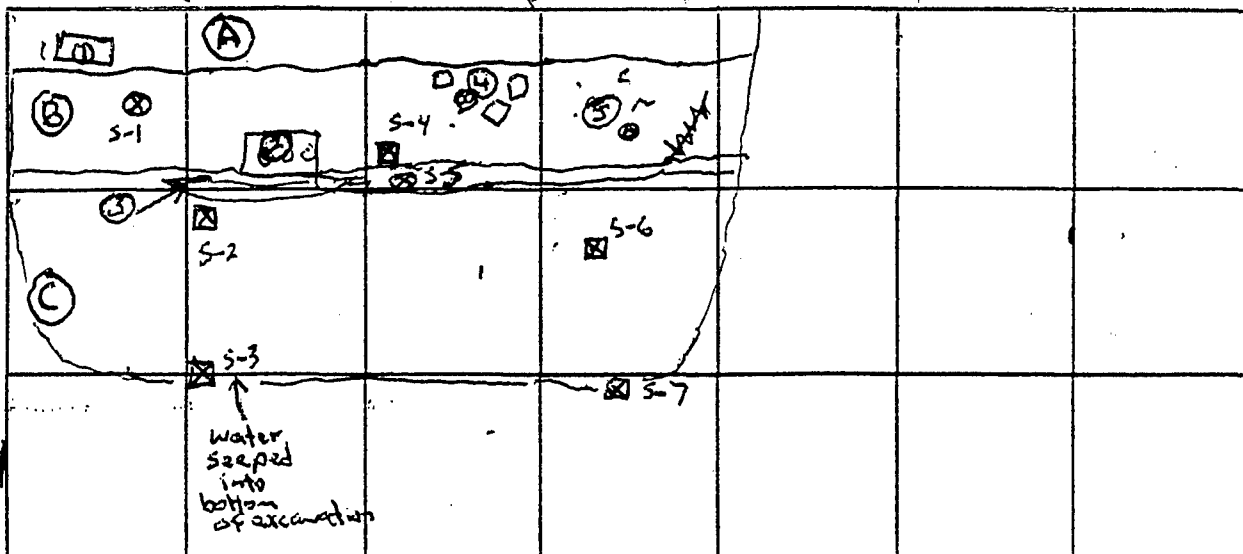
2 of 2

Profile Along Test Pit: 57E-96-29X

Site: AOC-57

SOUTH WALL (North wall similar)

SKETCH MAP OF TEST PIT PROFILE



SCALE (Block) = 5 FT. Horiz. & Vertical
DEPTH (FT.)

NOTES:

(A) Top Soil: Silty sand; poorly graded; 15% fines

dry; loose; light tan; SM

(1) Concrete debris

(B) Fill Material: well graded sand; 10% fines

(2) Engine block

(3) Below the engine block was an

approximate 6" thick layer of sawdust

with petroleum like odor. (PID from

stackpile measured = 13 ppm)

Soil sample (S-2) collected below this layer

Sawdust Lense noted at west end

(4) Concrete debris (broken slab)

(5) Metal scraps, wire sieve

(C) Fine to medium sand; poorly graded; medium dense; reddish brown
turning gray w/ depth; wet @ > 2 ft.; SP

* Septic odor noted from sample S-3; slight septic in S-7

** S-5 collected from the sawdust layer for PID headsapce

no.	Sample Number	Depth (Ft.)	HD. SP. VOA PPM
S-1	PID only	2'	Rkgrd
S-2	EF572905	5'	0.8
S-3	EF572910	10'	* 3.0 ppm
S-4	EF572904	4'	Rkgrd
S-5	** PID only	4 1/2'	Rkgrd
S-6	EF572907	7'	Rkgrd
S-7	EF572911	11' (10 1/4')	0.4 ppm

REFERENCE: FIELD BOOK, Pg. 5-8

ATTACHMENTS

None

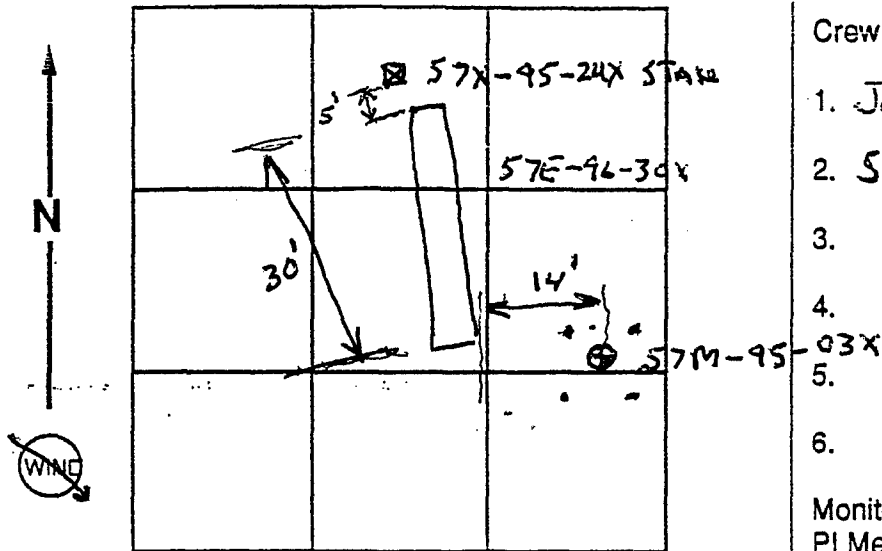
SIGNATURE:

RD John

TEST PIT RECORD

Site: AOC 57 Client: USAEC Project No.: 9144-08 1 of 2
 Test Pit 57E-96-30X Date 8-20-96 Time 13:15 End 15:45
 Coordinates _____

SKETCH MAP OF TEST PIT SITE



SCALE 1" = No Scale FT.

NOTES:

Trench excavated in a generally
 southern direction to assess extent
 of contamination. Visual and
 PID measurements indicating a
 diminishing in potential contamination
 seemed to occur approximately
 25 feet from the 57X-95-24X
 stake. Contamination seemed
 to be most prevalent below
 a saw dust (wood chip) layer
 located at the approximate 5 ft bgs
 level.

Depth of test pit was \approx 10 feet
 bgs

Crew Members:

1. Jacobson/ABB
2. Slater / Enpro
- 3.
- 4.
- 5.
- 6.

Monitor Equipment:

PI Meter	<input checked="" type="checkbox"/>	N
Explosive Gas	Y	N
Avail. Oxygen	Y	N
OVA	Y	N
Other		

Photographs, Roll None

Exposure DNA

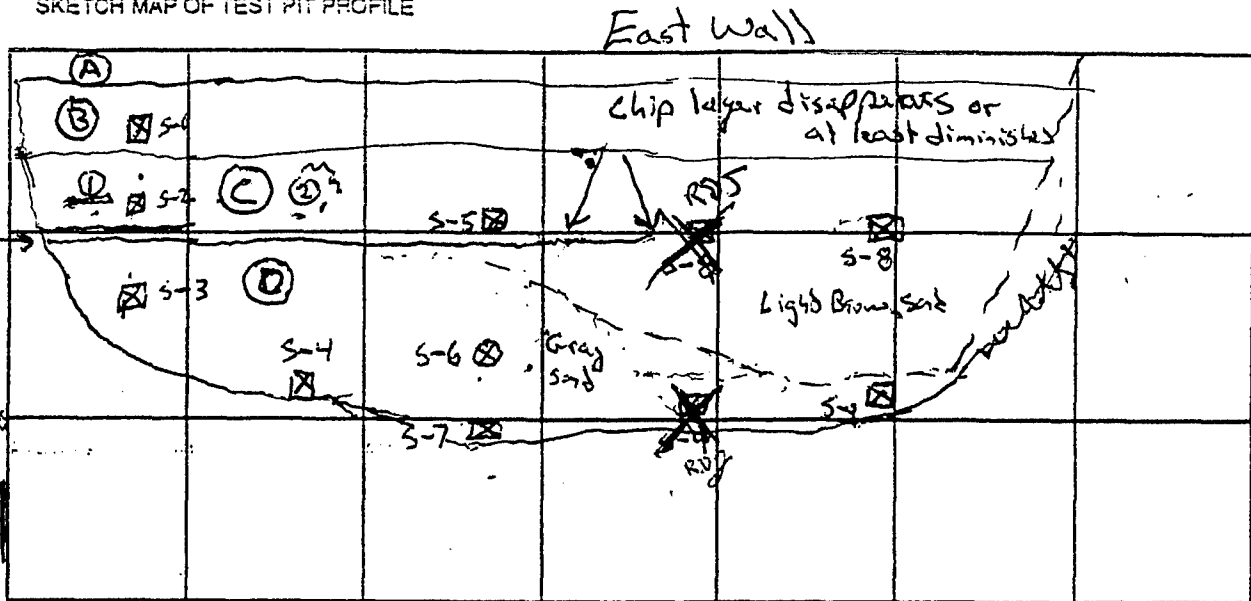
TEST PIT RECORD

2 of 2

Profile Along Test Pit: 57E-96-30X

Site: AOC-57-30X

(N) ←
SKETCH MAP OF TEST PIT PROFILE



SCALE 1" = 5 FT. Horiz. & Vertical
DEPTH (FT.) 10-11 ft

NOTES:

- (A) Top soil - silty sand; poorly graded; 20% fines
- (B) Well graded sand; 10% fines; 5% gravel; med brown
- (C) Wood pieces ≈ 1 ft long above a sand/dust layer
- (D) Metal debris (bolts & straps) noted.
- (E) Fill Layer; Sand; well graded; 5% fines; damp; medium brown; w/ dark lenses & debris
- (F) Fine to medium sand; poorly graded; medium dense; gray until the last half (≈ 20 feet) from 57E-95-24X stake where it turned a light brown to reddish brown; SP

no.	Sample Number	Depth (Ft.)	HO. SP. VOA PPM
3:25	S-1 EF573002	2	0 ppm
13:30	S-2 EF573004	4	4.1 ppm
13:40	S-3 EF573006	6	5.7 ppm
14:00	S-4 EF573009	9	2.2 ppm
14:10	S-5 EF573005	5 (4 1/2)	5.4 ppm
14:20	S-6 EF573008	8	1.2 ppm
14:30	S-7 EF573011	11 (10 1/2)	12 ppm
14:50	S-8 EF573010	5	Blank
15:00	S-9 EF573009	9	4.0 ppm

REFERENCE: FIELD BOOK, Pg. 9-10

ATTACHMENTS None

SIGNATURE: [Signature]

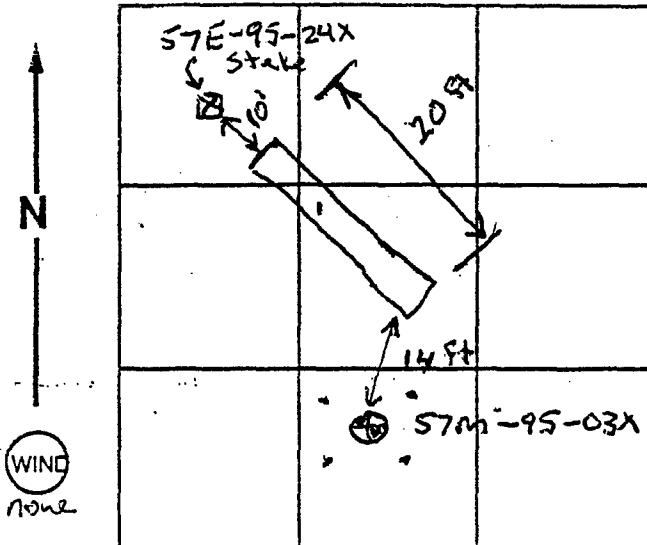
- * S-5 collected in Dark brown layer w/ some wood chips
- ** S-3 off-site lab sample EX 573006 also collected from this location

Note: Sand/dust layer had a petroleum like odor but did not exhibit

TEST PIT RECORD

Site: AOC 57 Client: USAEC Project No.: 9144-08 ^{1 of 2}
 Test Pit 57E-96-31X Date 8-21 Time 8:55 End 10:45
 Coordinates _____

SKETCH MAP OF TEST PIT SITE



SCALE 1" = No Scale FT.

NOTES:

Test Pit dug in a southeasterly direction to define edge of contaminated area. Contamination appears to diminish approximately 25 feet southeast of the 57E-95-24X stake.

Depth of Test Pit = 10 ft.

Crew Members:

1. Jacobson/ABB
2. ~~Stator~~ / Enpro
3. ROSS
- 4.
- 5.
- 6.

Monitor Equipment:

PI Meter	<input checked="" type="checkbox"/>	N
Explosive Gas	Y	N
Avail. Oxygen	Y	N
OVA	Y	N
Other		

Photographs, Roll None

Exposure DNA

TEST PIT RECORD

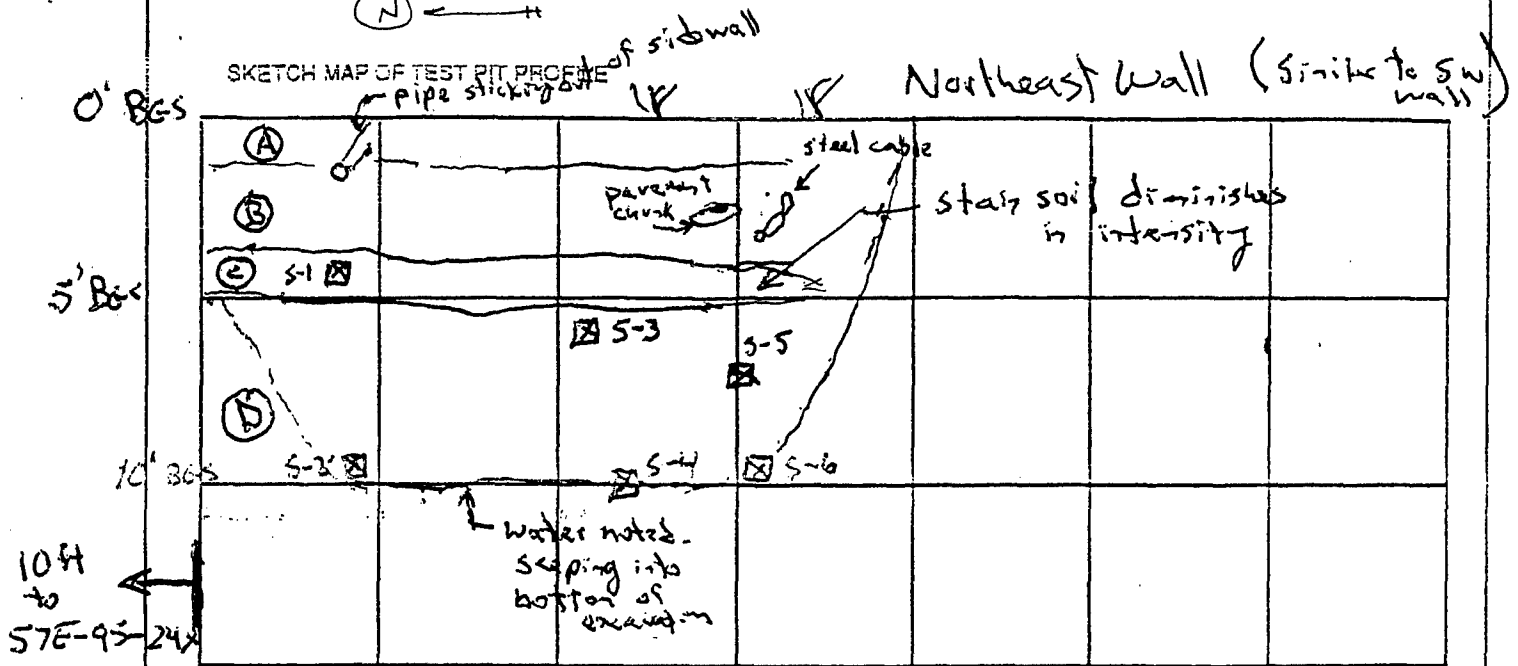
2 of 2

Profile Along Test Pit: 57E-96-31X

Site: AOC-57



SKETCH MAP OF TEST PIT PROFILE



SCALE (Black) = 5 FT. Horiz. & Vertical
DEPTH (FT.) = 10 ft

NOTES:

(A) Top Soil - Silty sand; poorly graded
15% fines; trace of 1/2" to 1" gravel;
loose; dry; SM

(B) Fill Material - Misc. debris noted
steel cable, pipes, sheet metal, well graded
sand; medium to dark brown; loose; SW-SM

(C) Approx 3' thick layer of dark stained
silty sand.

(D) Light brown sand - Fine to medium
sand; poorly graded; medium dense
reddish brown at lower depths then
turning gray.

no.	Sample Number	Depth (Ft.)	HD. SP. VOA PPM
S-1	EF573104	4'	102 ppm
S-2	EF573109	9'	30 ppm
S-3	EF573106	6'	4 ppm
S-4	EF573110	10'	153 ppm
S-5	EF573107	7'	0.3 ppm
S-6	EF573108	9'	0.6 ppm
	QA		
	ROJ		

REFERENCE: FIELD BOOK, Pg. 11-14

ATTACHMENTS None

SIGNATURE: [Signature]

* Off-site confirmatory collected at this location too. (See S-3)

MONITORING WELL AND PIEZOMETER CONSTRUCTION DIAGRAMS

Harding Lawson Associates

MONITORING WELL CONSTRUCTION DIAGRAM

Project Fort Devens

Study Area ACC 57

Driller K. REGAN (D.L. MAHER)

Project No. 09144-02

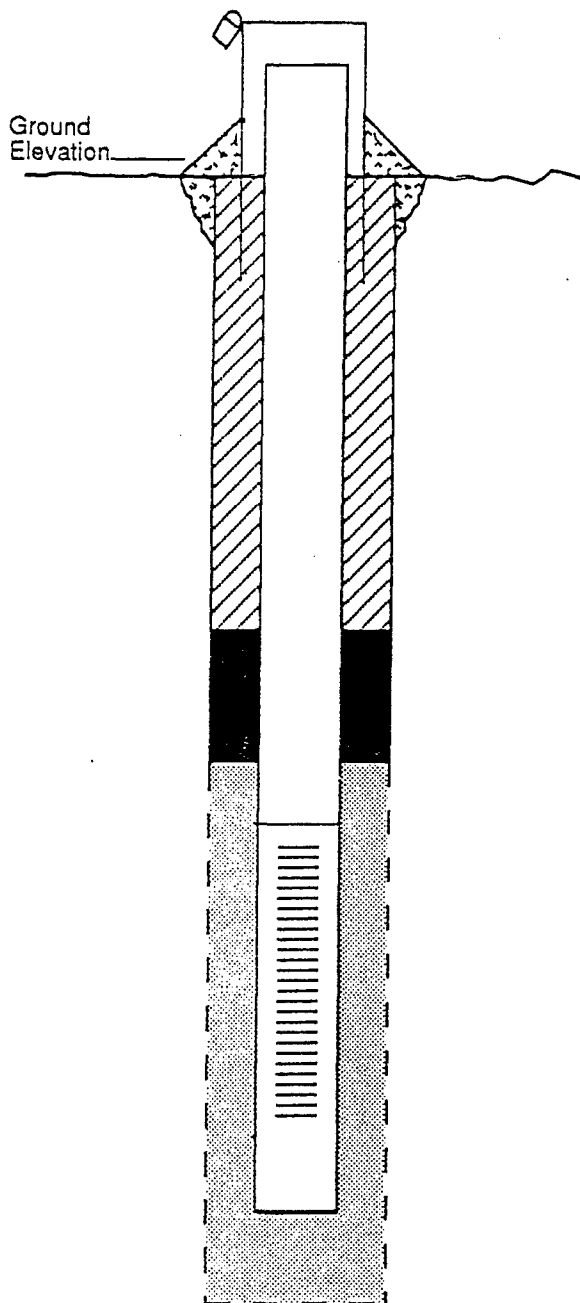
Boring No. 57M-95-01X

Drilling Method H.S.A. (6 5/8" ID)

Date Installed 9/22/95

Development Method Dedicated submersible pump

Field Geologist G. GULSETH



Stick-up of Casing Above Ground Surface: 2.54 FEET

Type of Surface Seal/ Other Protection: gravel pad

Type of Surface Casing: PROCOVER

ID of Surface Casing: 8 INCH

Diameter of Borehole: 10 INCH

Riser Pipe ID: 4 INCH

Type of Riser Pipe: SCH 40 PVC

Type of Backfill: BENTONITE GROUT

Depth of Top of Seal: 8 FEET (bgs)

Type of Seal: BENTONITE PELLET

Depth of Top of Sand: 13 FEET (bgs)

Depth of Top of Screen: 19 FEET (bgs)

Type of Screen: SCH 40 PVC

Slot Size x Length: 0.010 INCH - 10 FEET

ID of Screen: 4 INCH

Type of Sandpack: (20-40) #00 SAND

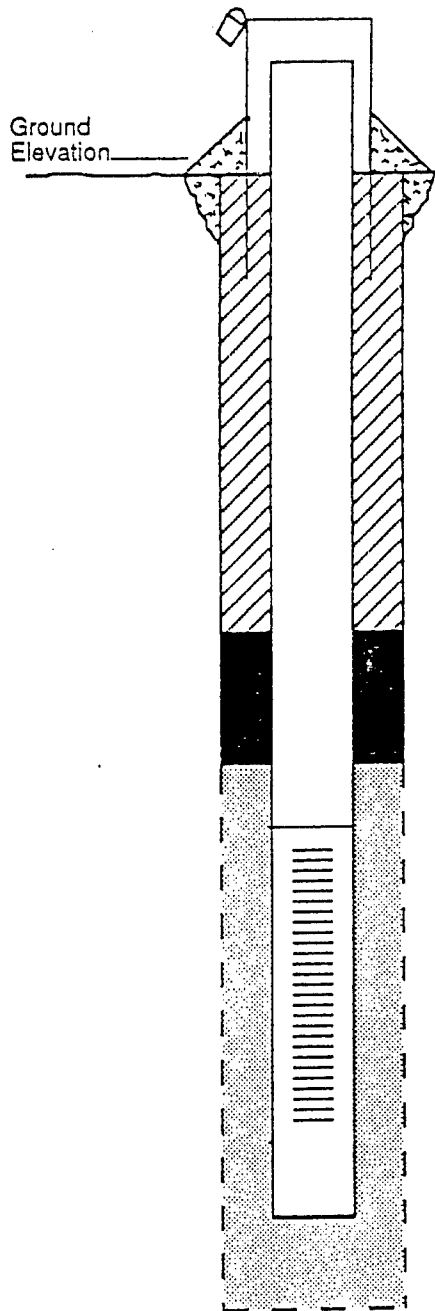
Depth of Bottom of Screen: 29 FEET (bgs)

Depth of Sediment Sump with Plug: N/A

Depth of Bottom of Borehole: 29 FEET

MONITORING WELL CONSTRUCTION DIAGRAM

Project Fort Devens Study Area ADC S7 Driller D.L. MAHER - B. Burns
 Project No. 9144-02 Boring No. 57M-95-02X Drilling Method 6 1/4" (ID) HSA
 Date Installed 9-29-95 Development Method Dedicated salom. pump
 Field Geologist S. Montgomery



Stick-up of Casing Above Ground Surface: 2.65'

Type of Surface Seal/ Other Protection: gravel pad

Type of Surface Casing: steel

ID of Surface Casing: 6"

Diameter of Borehole: 0.9 ft

Riser Pipe ID: 4"

Type of Riser Pipe: Schedule 40 PVC

Type of Backfill: 20-40 silica sand (Type I-II Portland cement)

Depth of Top of Seal: 4'

Type of Seal: 1/4" bentonite pellets

Depth of Top of Sand: 9'

Depth of Top of Screen: 14'

Type of Screen: Schedule 40 PVC

Slot Size x Length: 0.010" machine slot x 10'

ID of Screen: 4"

Type of Sandpack: 20-40 silica sand

Depth of Bottom of Screen: 24'

Depth of Sediment Sump with Plug: 1' N/A (gm)

Depth of Bottom of Borehole: 25'

MONITORING WELL CONSTRUCTION DIAGRAM

Project Fort Devens

Study Area AOC 57

Driller P.L. Maher - B. Burns

Project No. 9144-02

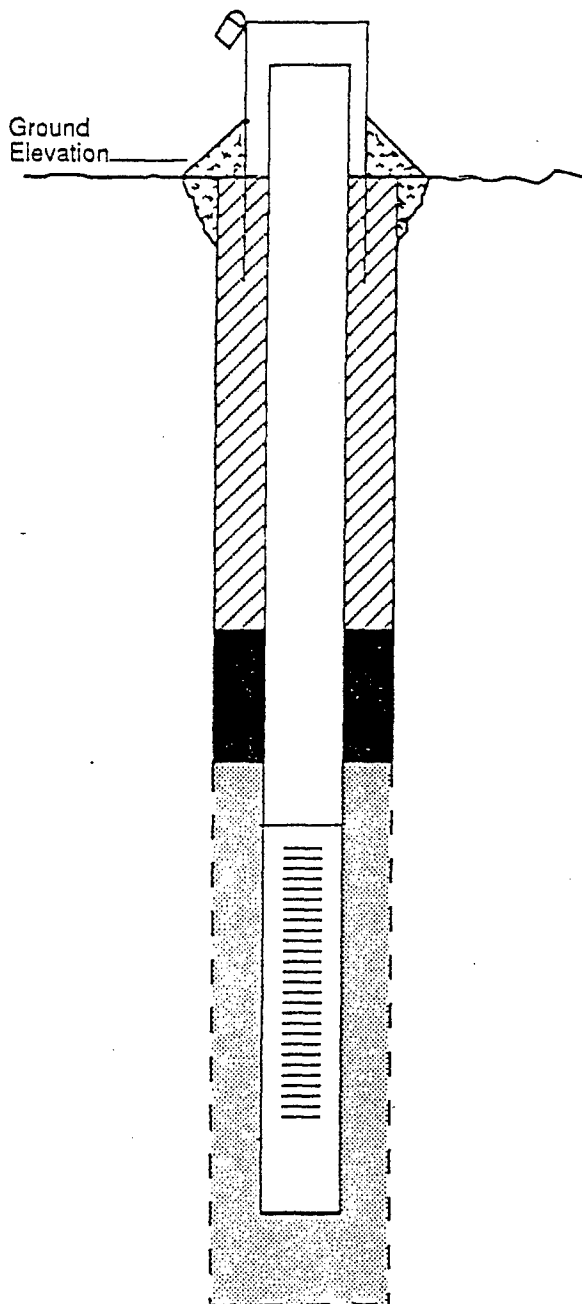
Boring No. 57M-95-03X

Drilling Method 6 1/2" (ID) HSA's

Date Installed 10-3-95

Development Method dedicated submersible pump

Field Geologist S. Montgomery



Stick-up of Casing Above Ground Surface: 3' 2.90'

Type of Surface Seal/ Other Protection: gravel pad

Type of Surface Casing: steel, above-grade

ID of Surface Casing: 6"

Diameter of Borehole: 0.9'

Riser Pipe ID: 4"

Type of Riser Pipe: Schedule 40 PVC

Type of Backfill: Type I-II Portland cement + Volclay gravel

Depth of Top of Seal: 3'

Type of Seal: 1/4" bentonite pellets (Volclay/Pure Gold)

Depth of Top of Sand: 5'

Depth of Top of Screen: 7'

Type of Screen: Schedule 40 PVC

Slot Size x Length: 0.010" x 10'

ID of Screen: 4"

Type of Sandpack: 20-40 silica sand

Depth of Bottom of Screen: 17'

Depth of Sediment Sump with Plug: N/A (g.m.)

Depth of Bottom of Borehole: 18'

MONITORING WELL CONSTRUCTION DIAGRAM

Project Fort Devens

Study Area ACC 57

Driller K. REGAN (D.L. MAHER)

Project No. 09144-02

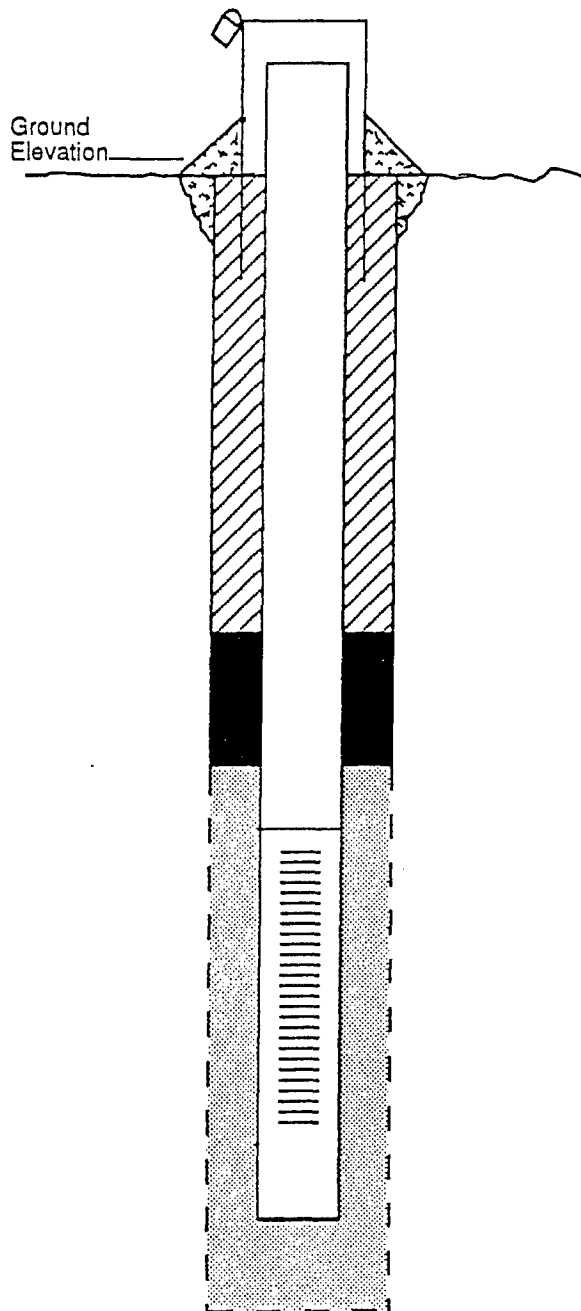
Boring No. 57M-93-04A

Drilling Method H.S.A.

Date Installed 10/4/95

Development Method Dedicated submersible pump (gm)

Field Geologist G. GULSETH



Stick-up of Casing Above Ground Surface: 1.25 ft (gm)

Type of Surface Seal/ Other Protection: gravel pad (gm)

Type of Surface Casing: PROCOVER

ID of Surface Casing: 6 INCH

Diameter of Borehole: 10 INCH

Riser Pipe ID: 4 INCH

Type of Riser Pipe: SCH 40 PVC

Type of Backfill: BENTONITE GROUT

Depth of Top of Seal: 1.5 FEET

Type of Seal: BENTONITE PELLET

Depth of Top of Sand: 1.9 FEET

Depth of Top of Screen: 2.4 FEET

Type of Screen: SCH 40 PVC

Slot Size x Length: 0.010 INCH - 10 FEET

ID of Screen: 4 INCH

Type of Sandpack: #00 SAND (20/40) (gm)

Depth of Bottom of Screen: 12.4 FEET

Depth of Sediment Sump with Plug: N/A

Depth of Bottom of Borehole: 13 FEET

MONITORING WELL CONSTRUCTION DIAGRAM

Project Fort Devens

Study Area POC 57

Driller K. REGAN

Project No. 09144-02

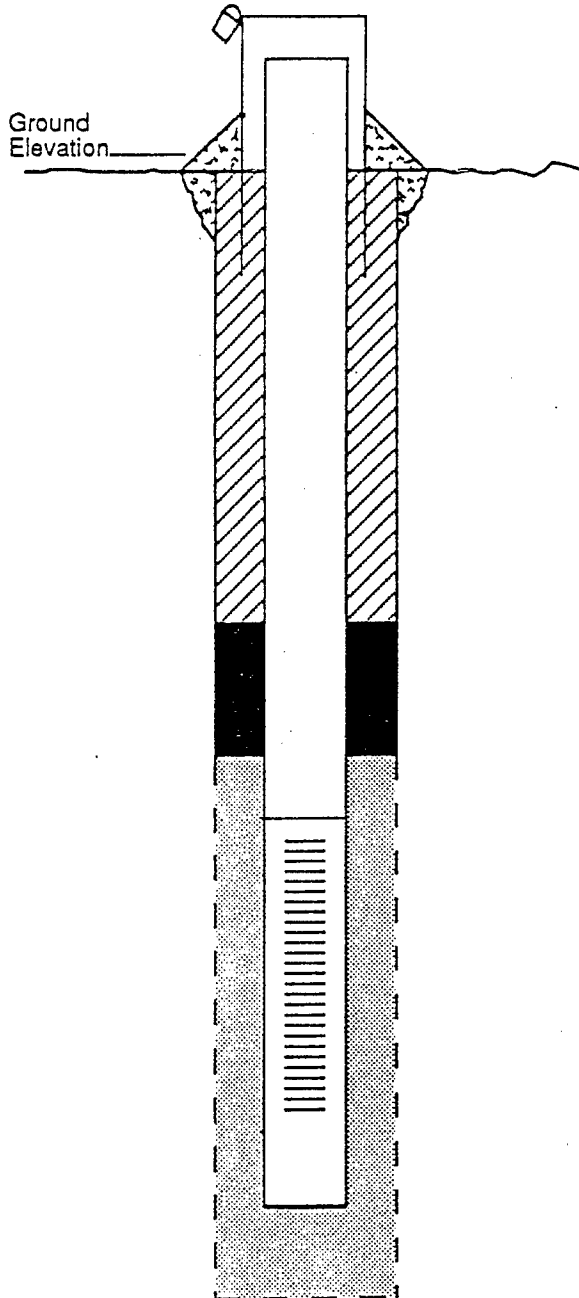
Boring No. 57M-95-04B

Drilling Method H.S.A. (6 5/8" ID) gm

Date Installed 10/3/95

Development Method Dedicated submersible pump gm

Field Geologist G. Gulseth



Stick-up of Casing Above Ground Surface: 2.50 FEET

Type of Surface Seal/ Other Protection: gravel pad gm

Type of Surface Casing: PROCOVER

ID of Surface Casing: 6 INCH

Diameter of Borehole: 10 INCH

Riser Pipe ID: 4 INCH

Type of Riser Pipe: SCH 40 PVC

Type of Backfill: BENTONITE/CEMENT GROUT

Depth of Top of Seal: 7 FEET

Type of Seal: BENTONITE PELLET

Depth of Top of Sand: 13 FEET

Depth of Top of Screen: 18.51 FEET

Type of Screen: SCH 40 PVC

Slot Size x Length: 0.010 INCH - 10 FEET

ID of Screen: 4 INCH

Type of Sandpack: #00 SAND

Depth of Bottom of Screen: 28.51 FEET

Depth of Sediment Sump with Plug: 28.91 FEET

Depth of Bottom of Borehole: 30.0 FEET

MONITORING WELL CONSTRUCTION DIAGRAM

Project Fort Devens

Study Area AOC 57

Driller D.L. MAHER - E. BURNS

Project No. 9144-02

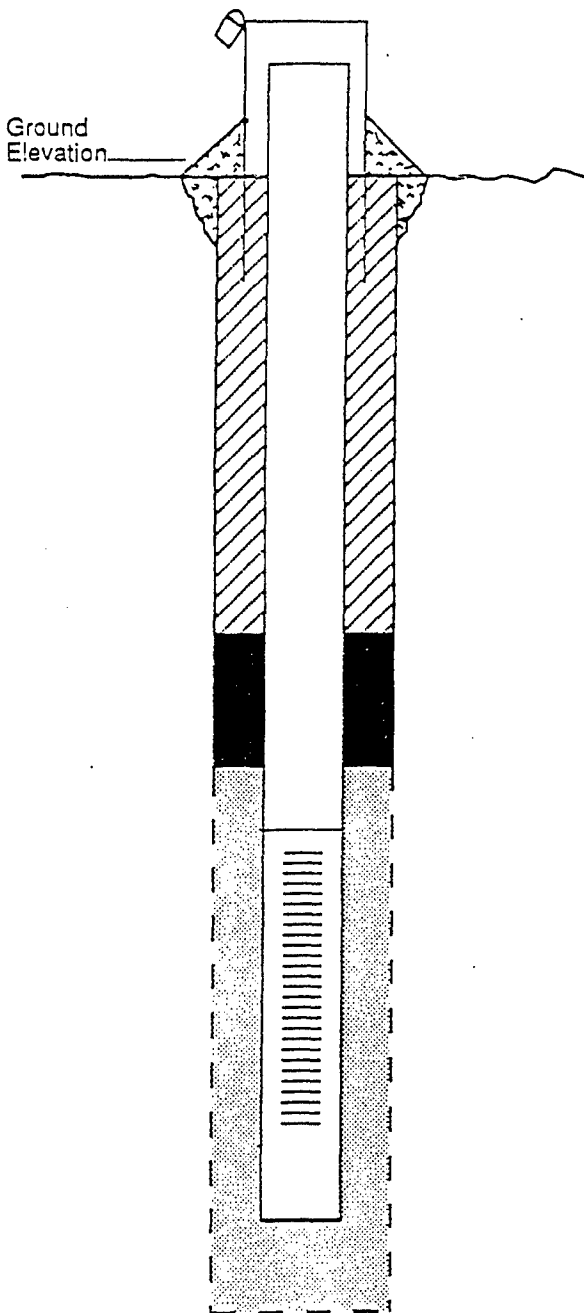
Boring No. 57M-95-05X

Drilling Method 6 1/2" HSA

Date Installed 10-3-95

Development Method Dedicated submersible pump

Field Geologist S. Montgomery



Stick-up of Casing Above Ground Surface: 3"

Type of Surface Seal/ Other Protection: gravel pad

Type of Surface Casing: Steel, above grade

ID of Surface Casing: 6"

Diameter of Borehole: 0.9'

Riser Pipe ID: 4"

Type of Riser Pipe: Schedule 40 PVC

Type of Backfill: Type I-II Portland cement + Volcanic gravel

Depth of Top of Seal: 3'

Type of Seal: 1/4" bentonite pellets (Volcanic/Pure Fold)

Depth of Top of Sand: 6'

Depth of Top of Screen: 12'

Type of Screen: Schedule 40 PVC

Slot Size x Length: 0.010" x 10'

ID of Screen: 4"

Type of Sandpack: 20-40 silica sand

Depth of Bottom of Screen: 20'

Depth of Sediment Sump with Plug: 0'

Depth of Bottom of Borehole: 20'

MONITORING WELL CONSTRUCTION DIAGRAM

Project Fort Devens

Study Area AOC 57

Driller K. REGAN (D.L. MAHER)

Project No. 09144-02

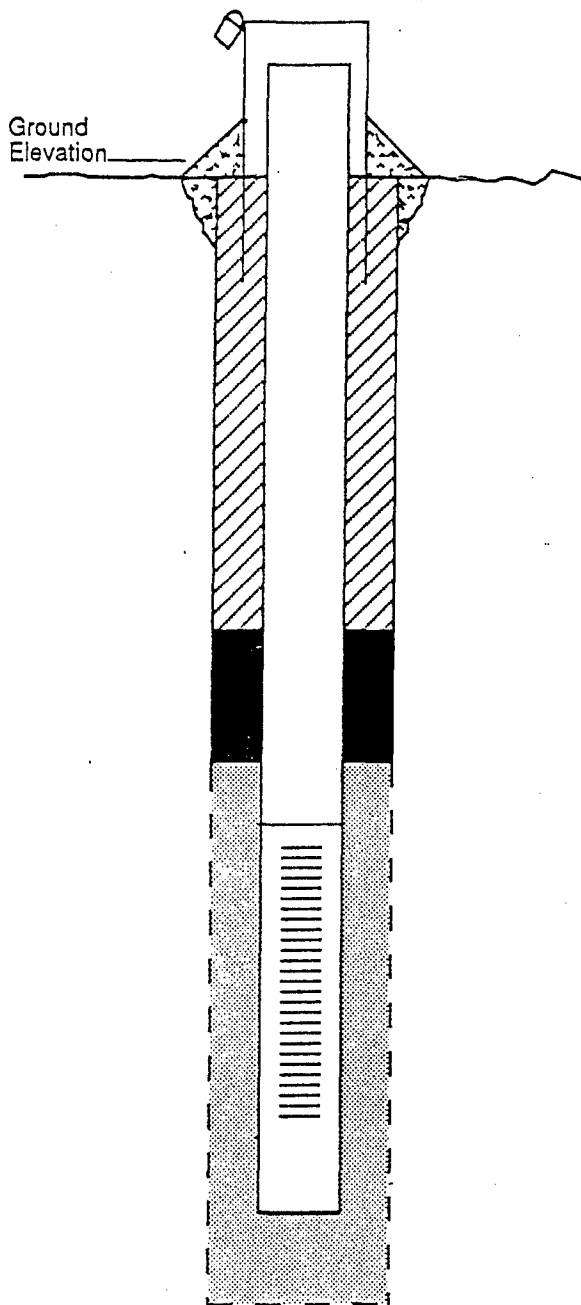
Boring No. 57M-95-06X

Drilling Method H.S.A. (6 5/8" ID)

Date Installed 10/4/95

Development Method Dedicated submersible pump

Field Geologist G. GULSETH



Stick-up of Casing Above Ground Surface: 2.21 FT

Type of Surface Seal/ Other Protection: ground pad

Type of Surface Casing: PROCOVER

ID of Surface Casing: 6 INCH

Diameter of Borehole: 10 INCH

Riser Pipe ID: 4 INCH

Type of Riser Pipe: SCH 40 PVC

Type of Backfill: BENTONITE GROUT

Depth of Top of Seal: 4 FEET

Type of Seal: BENTONITE PELLET

Depth of Top of Sand: 8 FEET

Depth of Top of Screen: 11.87 FEET

Type of Screen: SCH 40 PVC

Slot Size x Length: 0.010 INCH - 10 FEET

ID of Screen: 4 INCH

Type of Sandpack: #00 SAND (20/40)

Depth of Bottom of Screen: 21.87 FEET

Depth of Sediment Sump with Plug: 22.04 FEET

Depth of Bottom of Borehole: 23 FEET

MONITORING WELL CONSTRUCTION DIAGRAM

Project Fort Devens

Study Area ACC 57

Driller D. L. MAHER — B. Burns

Project No. 9144-02

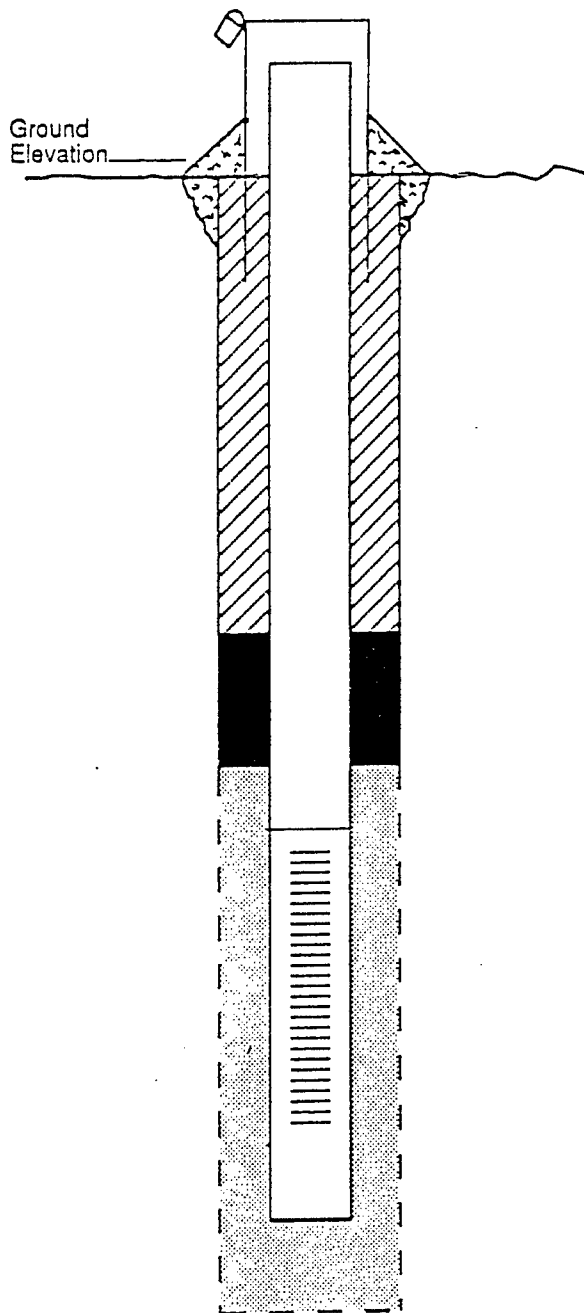
Boring No. 57M-95-07X

Drilling Method 6 5/8" (ID) HSAs

Date Installed 10-5-95

Development Method Dedicated submersible pump (914)

Field Geologist S. Montgomery



Stick-up of Casing Above Ground Surface: 1.5 FT.

Type of Surface Seal/ Other Protection: gravel pad

Type of Surface Casing: steel

ID of Surface Casing: 6"

Diameter of Borehole: 0.9"

Riser Pipe ID: 4"

Type of Riser Pipe: Schedule 40 PVC

Type of Backfill: Type I-II Portland cement + Volclay high solids grout

Depth of Top of Seal: 1.5'

Type of Seal: 1/4" bentonite pellets

Depth of Top of Sand: 2'

Depth of Top of Screen: 3'

Type of Screen: Schedule 40 PVC

Slot Size x Length: 0.010" machine slot x 10'

ID of Screen: 4"

Type of Sandpack: 20-40 silica sand

Depth of Bottom of Screen: 13'

Depth of Sediment Sump with Plug: (914) — N/A

Depth of Bottom of Borehole: 14'

MONITORING WELL CONSTRUCTION DIAGRAM

Project Fort Devens

Study Area AOC 57

Driller D.L. MAHER — B. Burns

Project No. 9144-02

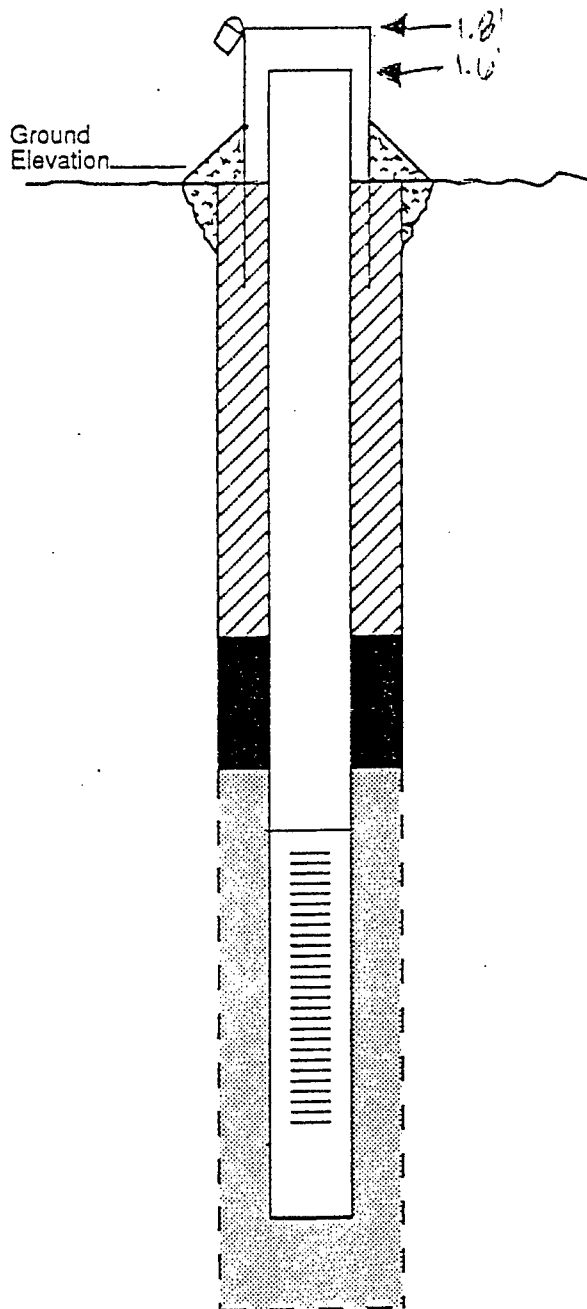
Boring No. 57M-95-08A

Drilling Method 1 5/8" (ID) HSAs

Date Installed 10-10-95

Development Method Dedicated submersible pump

Field Geologist S. Montgomery



Stick-up of Casing Above Ground Surface: 1.8'

Type of Surface Seal/ Other Protection: gravel pad

Type of Surface Casing: size 1

ID of Surface Casing: 6"

Diameter of Borehole: 0.9'

Riser Pipe ID: 4"

Type of Riser Pipe: Schedule 40 PVC

Type of Backfill: Type I-II Fresh concrete
Voray high solids grout

Depth of Top of Seal: 1.5 ft.

Type of Seal: 1/4" bentonite pellets

Depth of Top of Sand: 2 ft.

Depth of Top of Screen: 3 ft.

Type of Screen: 0.010" machine slot x 10'

Slot Size x Length: Schedule 40 PVC

ID of Screen: 4"

Type of Sandpack: 20-40 silica sand

Depth of Bottom of Screen: 13 ft.

Depth of Sediment Sump with Plug: 2 ft.

Depth of Bottom of Borehole: 15 ft.

MONITORING WELL CONSTRUCTION DIAGRAM

Project Fort Devens

Study Area AOC 57

Driller D.L. MAHER — B. Burns

Project No. 914402

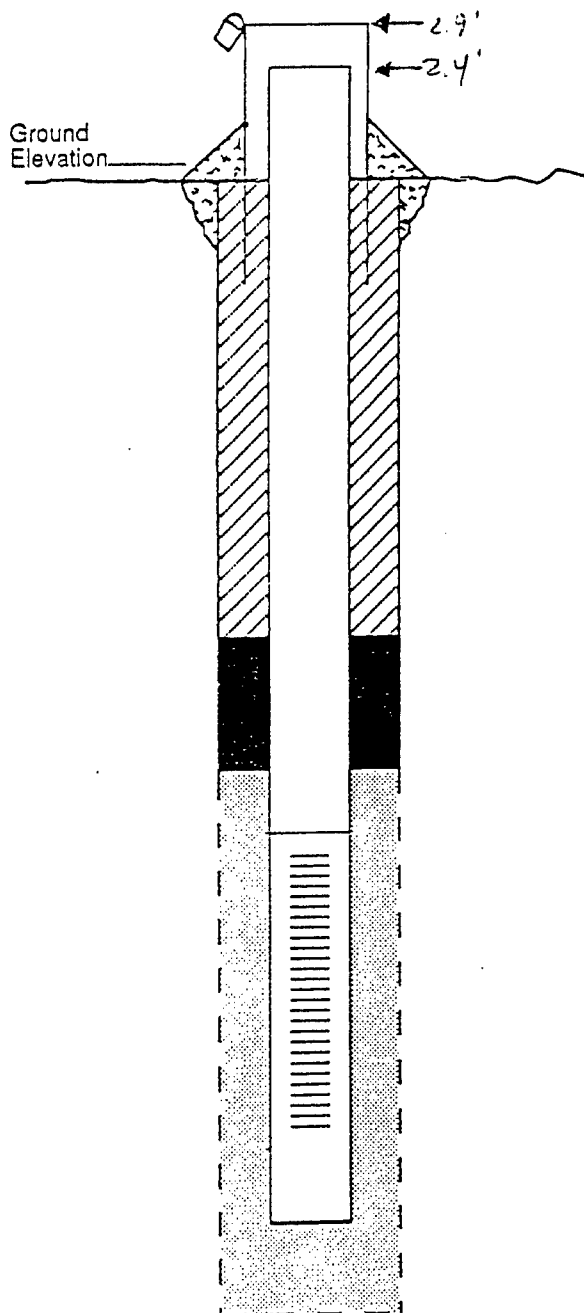
Boring No. STM-95-08B

Drilling Method 6 5/8" (ID) HSAs

Date Installed 10-10-95

Development Method Dedicated submersible pump

Field Geologist S. Montgomery



Stick-up of Casing Above Ground Surface: 2.9'

Type of Surface Seal/ Other Protection: gravel pad

Type of Surface Casing: steel

ID of Surface Casing: 6"

Diameter of Borehole: 0.9'

Riser Pipe ID: 4"

Type of Riser Pipe: Schedule 40 PVC

Type of Backfill: Type I-II Portland cement + Volclay high solids grout

Depth of Top of Seal: 8'

Type of Seal: 1/4" bentonite pellets

Depth of Top of Sand: 13'

Depth of Top of Screen: 18'

Type of Screen: Schedule 40 PVC

Slot Size x Length: 0.015" machine slot x 10'

ID of Screen: 4"

Type of Sandpack: 20-40 silica sand

Depth of Bottom of Screen: 28'

Depth of Sediment Sump with Plug: 2' N/A

Depth of Bottom of Borehole: 30'

MONITORING WELL CONSTRUCTION DIAGRAM

Project Fort Devens

Study Area AOC 57

Driller J. Garside

Project No. 09144-08

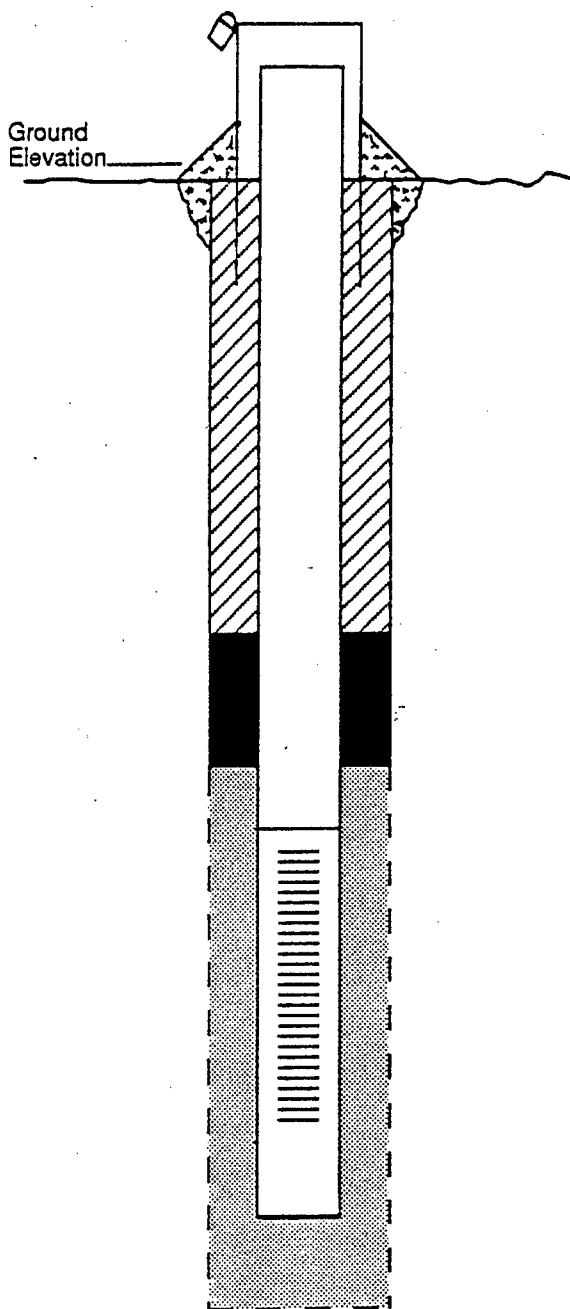
Boring No. 57M-96-09X

Drilling Method 4.25" HSA

Date Installed 8-28-96

Development Method Pump & Surge

Field Geologist R. McCoy



Stick-up of Casing Above Ground Surface: 3'

Type of Surface Seal/ Other Protection: GRAVEL PAD

Type of Surface Casing: STEEL STAND PIPE

ID of Surface Casing: 6"

Diameter of Borehole: 6"

Riser Pipe ID: 2"

Type of Riser Pipe: SCHD. 40 PVC

Type of Backfill: GROUT

Depth of Top of Seal: 3.0' bgs

Type of Seal: Bentonite Pellets

Depth of Top of Sand: 8.0' bgs

Depth of Top of Screen: 12.8' bgs

Type of Screen: SCHD. 40 PVC

Slot Size x Length: 10 SLOT x 10 FT

ID of Screen: 2"

Type of Sandpack: φ SAND

Depth of Bottom of Screen: 22.8' bgs

Depth of Sediment Sump with Plug: 23.0' bgs

Depth of Bottom of Borehole: 23.0' bgs

**MONITORING WELL CONSTRUCTION DIAGRAM
PROJECT OPERATIONS PLAN
FORT DEVENS, MASSACHUSETTS**

ABB Environmental Services, Inc.

MONITORING WELL CONSTRUCTION DIAGRAM

Project Fort Devens

Study Area 57

Driller NHR

Project No. 9144.02

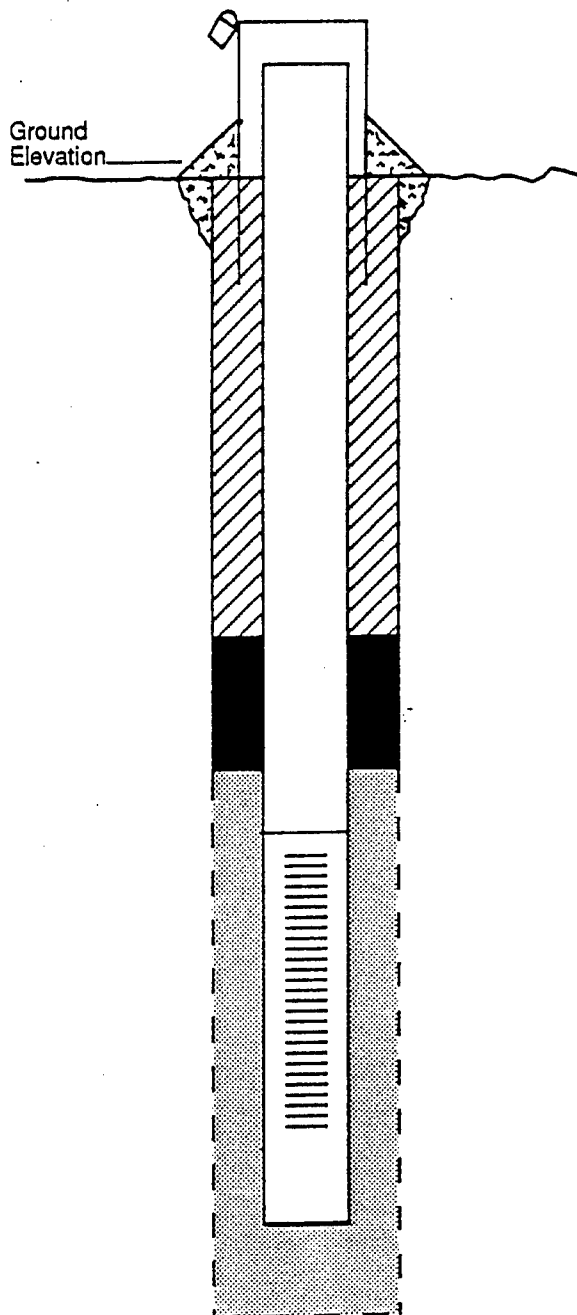
Boring No. 57M-96-10A

Drilling Method NSD 4 1/4"

Date Installed 8/30/96

Development Method Pump & Surge

Field Geologist K. L. L. L.



Stick-up of Casing Above Ground Surface: 3'

Type of Surface Seal/ Other Protection: CEMENT

Type of Surface Casing: STEEL - 5 FOOT

ID of Surface Casing: 6"

Diameter of Borehole: 6"

Riser Pipe ID: 6" - 2"

Type of Riser Pipe: PVC

Type of Backfill: N/A

Depth of Top of Seal: 0'

Type of Seal: CEMENT

Depth of Top of Sand: 2'

Depth of Top of Screen: 3'

Type of Screen: PVC SCH 40

Slot Size x Length: 0.01" x 10"

ID of Screen: 2"

Type of Sandpack: NO. 2 SAND

Depth of Bottom of Screen: 13'

Depth of Sediment Sump with Plug: 13'

Depth of Bottom of Borehole: 13'

MONITORING WELL CONSTRUCTION DIAGRAM
PROJECT OPERATIONS PLAN
FORT DEVENS, MASSACHUSETTS

ABB Environmental Services, Inc.

MONITORING WELL CONSTRUCTION DIAGRAM

Project Fort Devens

Study Area 57

Driller NAR

Project No. 9144.08

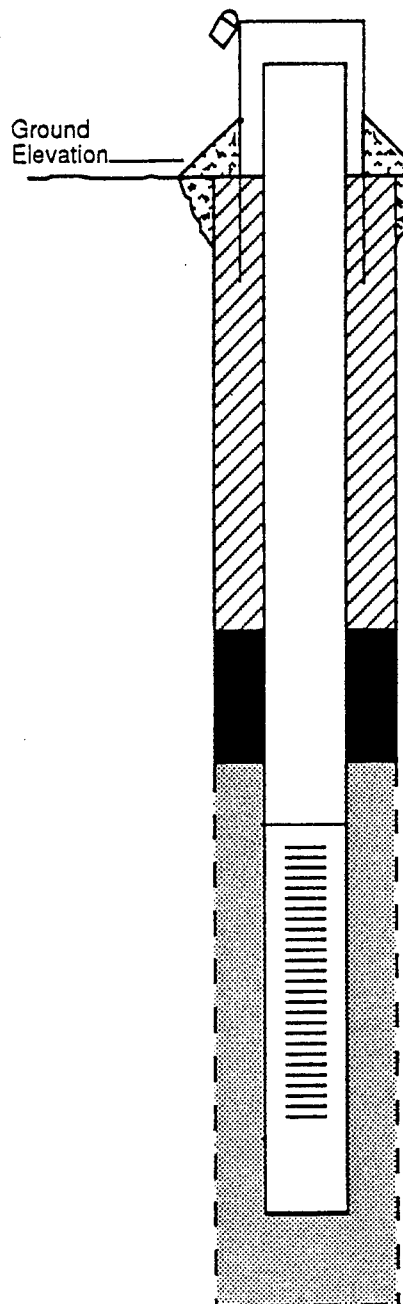
Boring No. 57M-96-11X

Drilling Method HSA 4 1/4"

Date Installed 8/30/96

Development Method PUMP + SURGE

Field Geologist K. Wilson



Stick-up of Casing Above Ground Surface: 2.5'

Type of Surface Seal/ Other Protection: GRAVEL PADS + MORTAR COLLAR

Type of Surface Casing: STEEL

ID of Surface Casing: 6"

Diameter of Borehole: 6"

Riser Pipe ID: 2"

Type of Riser Pipe: PVC

Type of Backfill: N/A

Depth of Top of Seal: 0'

Type of Seal: BENTONITE PELLETS

Depth of Top of Sand: 1.5'

Depth of Top of Screen: 2'

Type of Screen: PVC

Slot Size x Length: 0.01" x 10"

ID of Screen: 2"

Type of Sandpack: N.O. 2

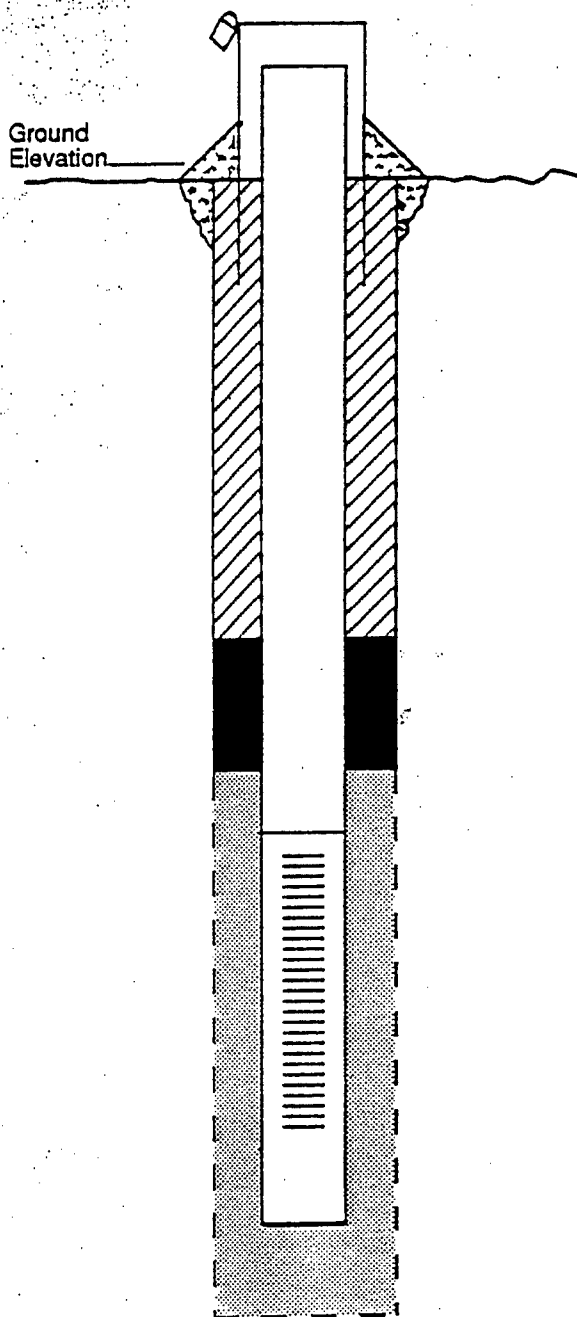
Depth of Bottom of Screen: 12'

Depth of Sediment Sump with Plug: 12'

Depth of Bottom of Borehole: 12'

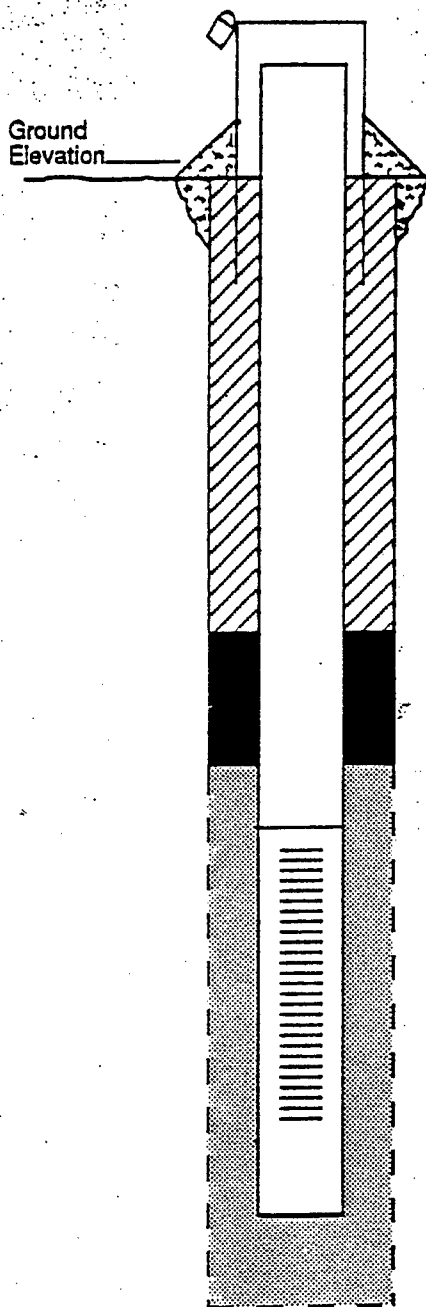
MONITORING WELL CONSTRUCTION DIAGRAM
PROJECT OPERATIONS PLAN
FORT DEVENS, MASSACHUSETTS

ABB Environmental Services, Inc.

Project Fort DevensStudy Area 57Driller NHBProject No. 9A4.08Boring No. 57M-96-12XDrilling Method N/A 4.25"Date Installed 8/29/96Development Method Pump + SurgeField Geologist K. WilsonStick-up of Casing Above Ground Surface: 3.0 ±Type of Surface Seal/ Other Protection: GRAVEL PADType of Surface Casing: STEELID of Surface Casing: 4"Diameter of Borehole: 6"Riser Pipe ID: 2"Type of Riser Pipe: PVCType of Backfill: N/ADepth of Top of Seal: GRAVEL SURFACEType of Seal: BENTONITE PELLETSDepth of Top of Sand: 1.5'Depth of Top of Screen: 2'Type of Screen: PVCSlot Size x Length: 0.01' x 10'ID of Screen: 2"Type of Sandpack: SANDDepth of Bottom of Screen: 12'Depth of Sediment Sump with Plug: 12'Depth of Bottom of Borehole: 12'

MONITORING WELL CONSTRUCTION DIAGRAM
PROJECT OPERATIONS PLAN
FORT DEVENS, MASSACHUSETTS

ABB Environmental Services, Inc.

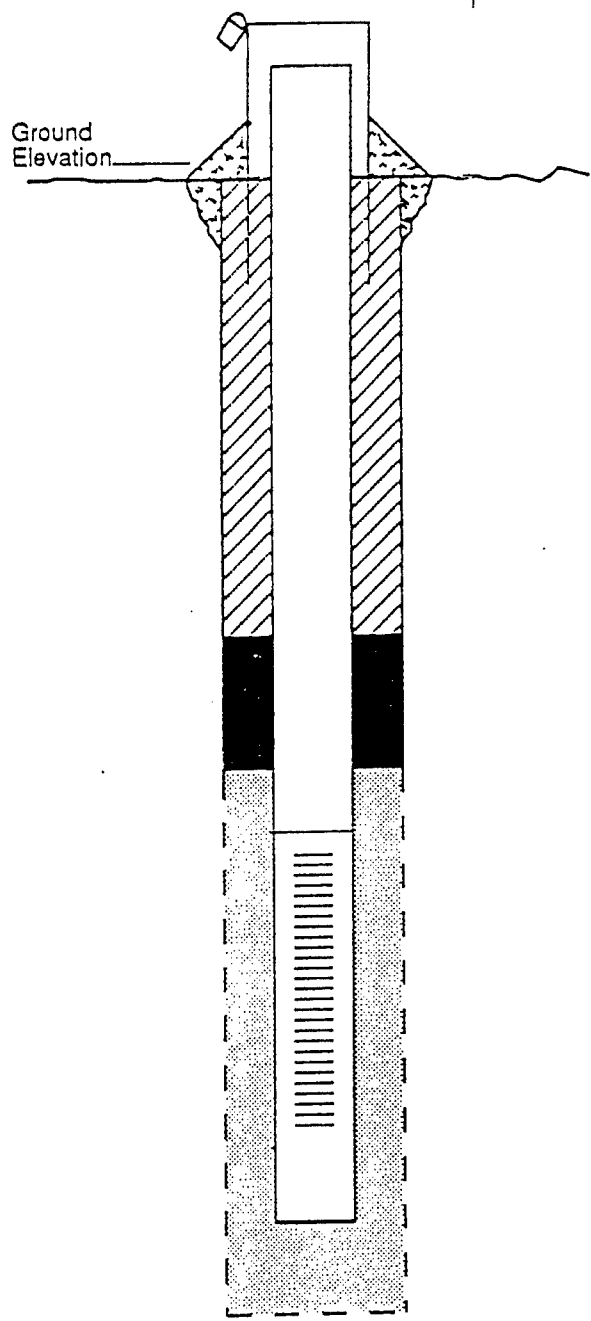
Project Fort DevensStudy Area ACC 57Driller NHBProject No. 9/44.08Boring No. 57M-96-13XDrilling Method LKA 4.25"Date Installed 8/29/96Development Method PUMP + SURGEField Geologist K. WillenStick-up of Casing Above Ground Surface: 2.6Type of Surface Seal/ Other Protection: GRAVEL PADSType of Surface Casing: STEELID of Surface Casing: 4"Diameter of Borehole: 6"Riser Pipe ID: 2"Type of Riser Pipe: PVCType of Backfill: N/ADepth of Top of Seal: GROUND SURFACEType of Seal: BENTONITE PELLETSDepth of Top of Sand: 15'Depth of Top of Screen: 2'Type of Screen: PVCSlot Size x Length: 0.01' x 10'ID of Screen: 2"Type of Sandpack: SANDDepth of Bottom of Screen: 12'Depth of Sediment Sump with Plug: 12'Depth of Bottom of Borehole: 12'

MONITORING WELL CONSTRUCTION DIAGRAM
PROJECT OPERATIONS PLAN
FORT DEVENS, MASSACHUSETTS

ABB Environmental Services, Inc.

MONITORING WELL CONSTRUCTION DIAGRAM

Project Fort Devens Study Area ACC 57 Driller D.L. MAHER — B. Burns
 Project No. 9144-02 Boring No. 57P-95-01B Drilling Method 1-5/8" (1-2) HCA
 Date Installed 10-11-95 Development Method see diagram for associated
 Field Geologist S. Montgomery nested piezometer, 57P-95-01A



Stick-up of Casing Above Ground Surface: 1-55'
 Type of Surface Seal/ Other Protection: gravel pad
 Type of Surface Casing: steel protective casing
 ID of Surface Casing: 10"
 Diameter of Borehole: 0.91
 Riser Pipe ID: 1"
 Type of Riser Pipe: Schedule 40 PVC
 Type of Backfill: Type I-II Portland Cement +
Marble chips/silica sand
 Depth of Top of Seal: 12 ft
 Type of Seal: 1/4" bentonite pellets
 Depth of Top of Sand: 9 ft
 Depth of Top of Screen: 10 ft
 Type of Screen: Schedule 40 PVC
 Slot Size x Length: 0.010" x 1/2" slot x 5'
 ID of Screen: 1"
 Type of Sandpack: 20-40 silica sand
 Depth of Bottom of Screen: 15'
 Depth of Sediment Sump with Plug: 0'
 Depth of Bottom of Borehole: 15'

— see sketch of nested piezometers on p. 38 in
 "Drill Log #2" logbook —

MONITORING WELL CONSTRUCTION DIAGRAM

Project Fort Devens

Study Area LOC 57

Driller D.L. MAHER — B. Bunn

Project No. 9144-02

Boring No. STP-95-01A

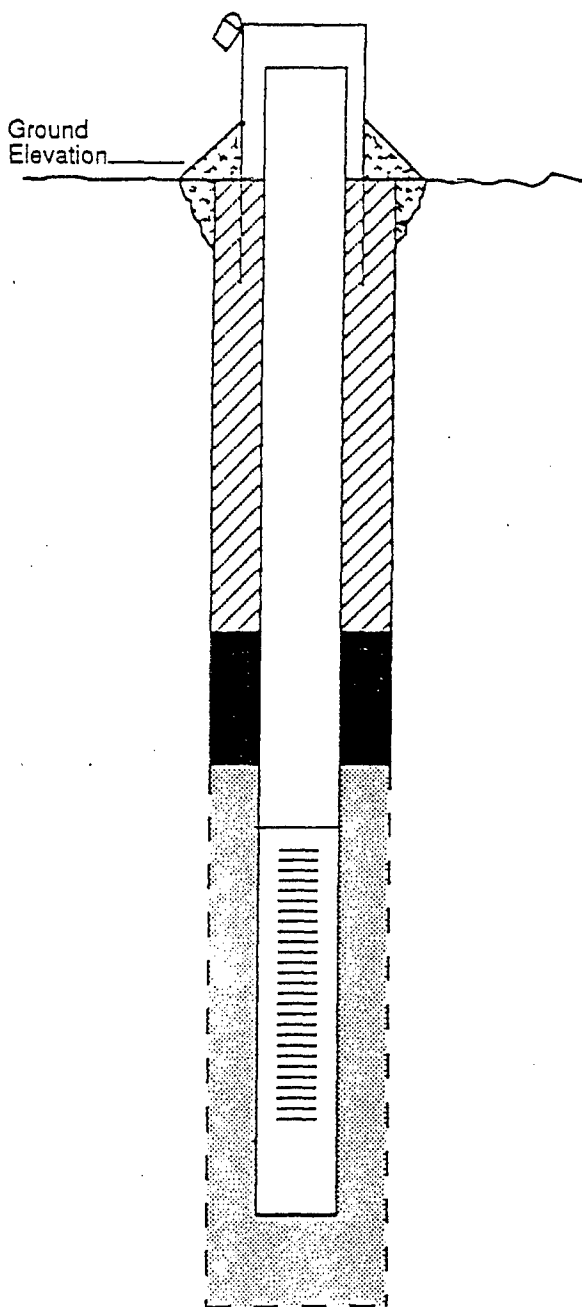
Drilling Method 6 7/8" (HD) HSA's

Date Installed 10-11-95

Development Method _____

Field Geologist S. Montgomery

* see diagram for associated
washed well STP-95-01B
with piezometer



Stick-up of Casing Above Ground Surface: 1.55'

Type of Surface Seal/ Other Protection: gravel pad

Type of Surface Casing: 6" steel protective casing

ID of Surface Casing: 6"

Diameter of Borehole: 0.9'

Riser Pipe ID: 1"

Type of Riser Pipe: Schedule 40 P/R

Type of Backfill: Type I-E Portland cement +
volcanic ash solids grad

Depth of Top of Seal: 1.0'

Type of Seal: 1/4" bentonite pellets

Depth of Top of Sand: 1.5'

Depth of Top of Screen: 2.0'

Type of Screen: Schedule 40 P/R

Slot Size x Length: 0.010" machine slot x 5'

ID of Screen: 1"

Type of Sandpack: 70-40 silica sand

Depth of Bottom of Screen: 7.0'

Depth of Sediment Sump with Plug: N/A

Depth of Bottom of Borehole: 15'

— see sketch of washed piezometers on p. 88 in
"Well Log #2" logbook

MONITORING WELL CONSTRUCTION DIAGRAM

Project Fort Devens

Study Area AOC 57 AREA 2 Driller HLA

Project No. 9144.03

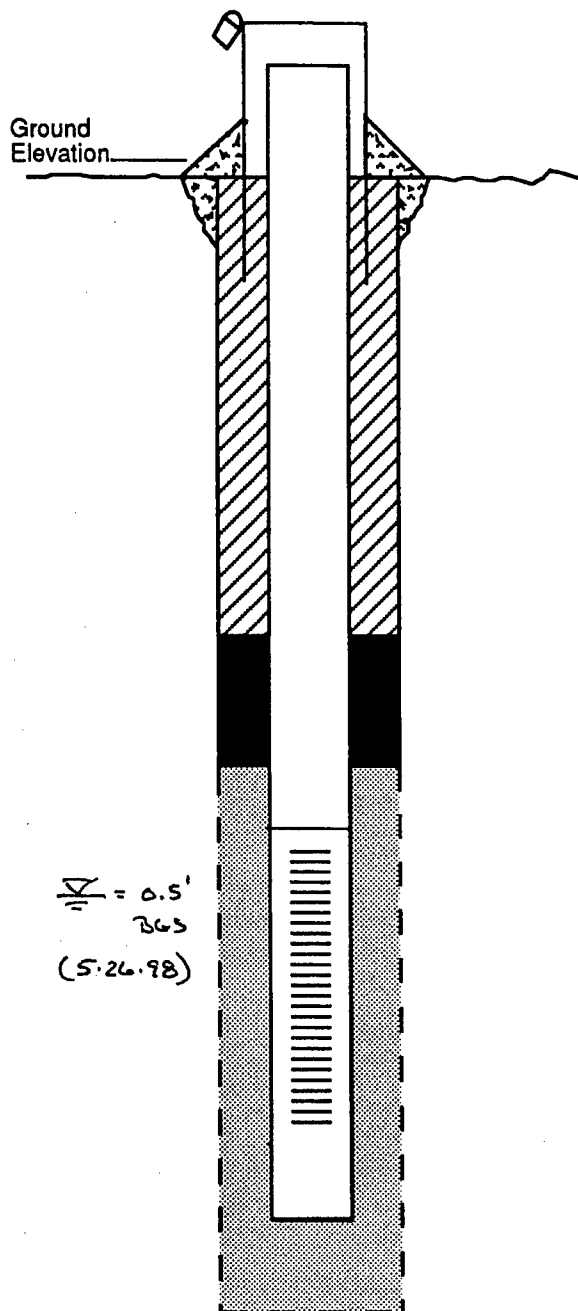
Boring No. 57P.98.02X

Drilling Method HAND AUGER

Date Installed 5.26.98

Development Method N/A

Field Geologist R. RUSTAD



Stick-up of Casing Above Ground Surface: 2.05'

Type of Surface Seal/ Other Protection: NONE

Type of Surface Casing: NONE

ID of Surface Casing: NONE

Diameter of Borehole: (22) 3" O.D.

Riser Pipe ID: 1" ID

Type of Riser Pipe: SCH 40 PVC

Type of Backfill: NATIVE

Depth of Top of Seal: NONE

Type of Seal: NONE

Depth of Top of Sand: NONE

Depth of Top of Screen: 0.3' BGS

Type of Screen: 1" ID 0.010" SLOT PVC SCH 40

Slot Size x Length: 2' x 0.010" SLOT

ID of Screen: 1" ID

Type of Sandpack: NONE

Depth of Bottom of Screen: 2.3' BGS

Depth of Sediment Sump with Plug: 2.3' BGS

Depth of Bottom of Borehole: 2.3'

MONITORING WELL CONSTRUCTION DIAGRAM

Project Fort Devens

Study Area ACC 57 AREA 3

Driller HLS

Project No. 9144.03

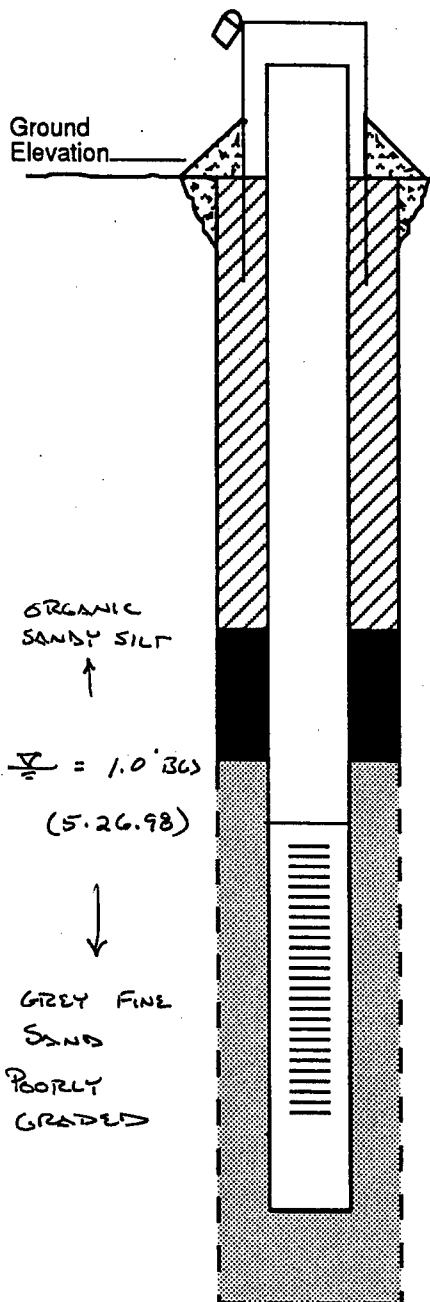
Boring No. 57P.98.03X

Drilling Method HAND AUGER

Date Installed 5.26.98

Development Method NONE

Field Geologist R. RUSTAD



Stick-up of Casing Above Ground Surface: 2.0'

Type of Surface Seal/ Other Protection: NONE

Type of Surface Casing: NONE

ID of Surface Casing: NONE

Diameter of Borehole: 3"

Riser Pipe ID: 1" ID

Type of Riser Pipe: SCH 40 PVC

Type of Backfill: NATIVE

Depth of Top of Seal: NONE

Type of Seal: NONE

Depth of Top of Sand: NONE

Depth of Top of Screen: 2.5' BGS

Type of Screen: SCH 40 PVC

Slot Size x Length: 3' x 0.010" SLOT

ID of Screen: 1" ID

Type of Sandpack: NONE

Depth of Bottom of Screen: 5.5' BGS

Depth of Sediment Sump with Plug: 5.5' BGS

Depth of Bottom of Borehole: 5.5' BGS

MONITORING WELL CONSTRUCTION DIAGRAM

Project Fort Devens

Study Area AOC 57 Area 3 Driller HLA

Driller H2A

Project No. 9144.03

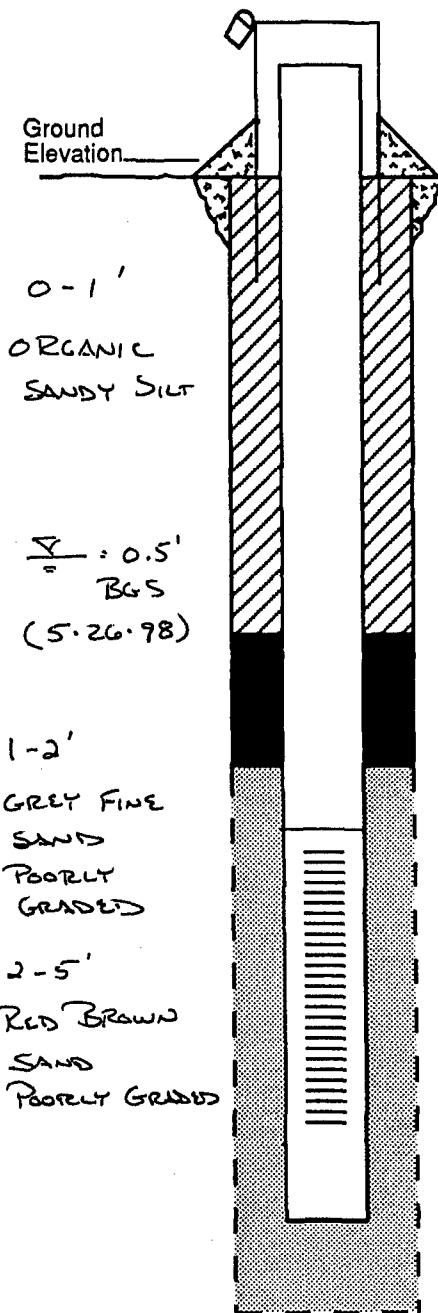
Boring No. 57P-98 .04X

Drilling Method HAND AUGER

Date Installed 5.26.98

Development Method N/A

Field Geologist K. KUSTAD



Stick-up of Casing Above Ground Surface: 2.81'

Type of Surface Seal/ Other Protection: NA

Type of Surface Casing: NA

ID of Surface Casing: NA

Diameter of Borehole: 3"

Riser Pipe ID: 1" 15

Type of Riser Pipe: 5cm 40 PVC

Type of Backfill: NATIVE

Depth of Top of Seal: NA

Type of Seal: NA

Depth of Top of Sand: NA

Depth of Top of Screen: 2' BGS

Type of Screen: Scu 40 Pvc

Slot Size x Length: 3' x 0.01"

ID of Screen: 1" 12

Type of Sandpack: NA

Depth of Bottom of Screen: 5' BGS

Depth of Sediment Sump with Plug: 5' BGS

Depth of Bottom of Borehole: 5' BGS

GEOPHYSICAL INVESTIGATION DATA AND ANALYSIS

Harding Lawson Associates

1.0 Introduction

Geophysical surveying was completed over AOC 57 at the former Fort Devens in Ayer, MA. Geophysical work was conducted in two separate areas in September 1995 and August 1996. Several geophysical techniques were employed at AOC 57 to screen for the presence or absence of buried waste at the site.

2.0 Equipment and Survey Methodology

Four types of geophysical surveys were conducted at AOC 57 and include an EM-61 Time Domain Metal Detection survey, an EM-31 electromagnetic ground conductivity survey, a GEM gradiometer survey, and a ground-penetrating radar survey. A Geonics, Inc. EM-61 High Resolution Time Domain Metal Detector was used to determine the presence of ferrous as well as non-ferrous metallic wastes. A Geonics, Inc. EM-31 Electromagnetic Ground Conductivity instrument was used to detect the presence of conductive wastes. A GEM-19 gradiometer was used to measure deviations in the earth's magnetic field to determine the presence of ferrous objects. A GSSI System III GPR unit equipped with a 500 megahertz antenna was used to profile selected electromagnetic and magnetic anomalies.

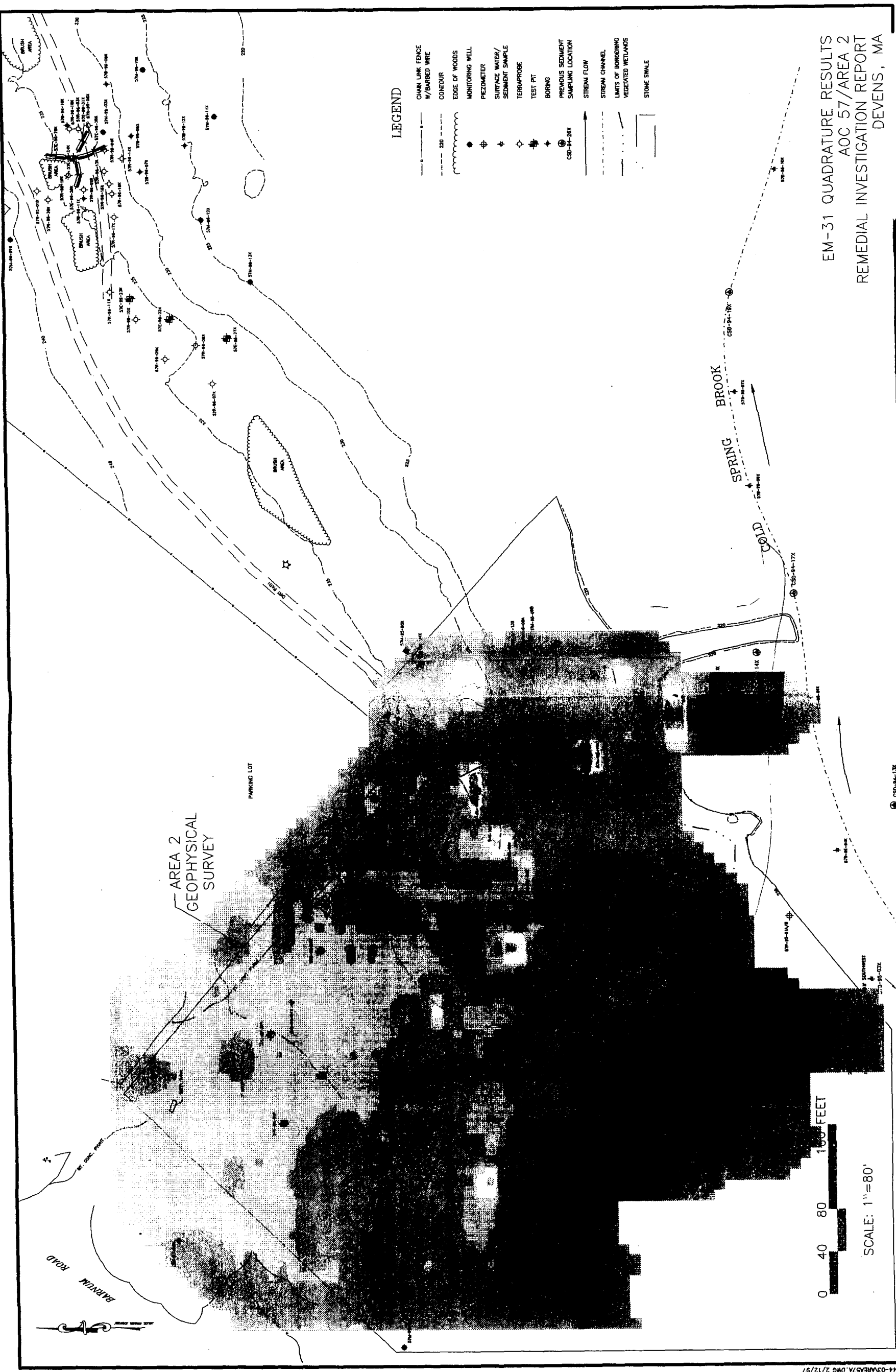
Prior to geophysical surveying a 50 by 50 foot grid was established using a tape and compass. Pin flags and blaze orange marking paint were used to identify grid nodes. Data was collected with reference to the preestablished survey grid by pacing. EM-31 and EM-61 surveys were conducted concurrently along survey lines spaced ten feet apart. EM-61, EM-31, and gradiometer measurements were collected every five feet along each survey line. GPR data was collected along selected lines in order to profile EM-31 and EM-61 anomalies. EM-31 and EM-61 data was collected with data loggers. Data was downloaded to a computer and processed using various geophysical software applications.

3.0 Results

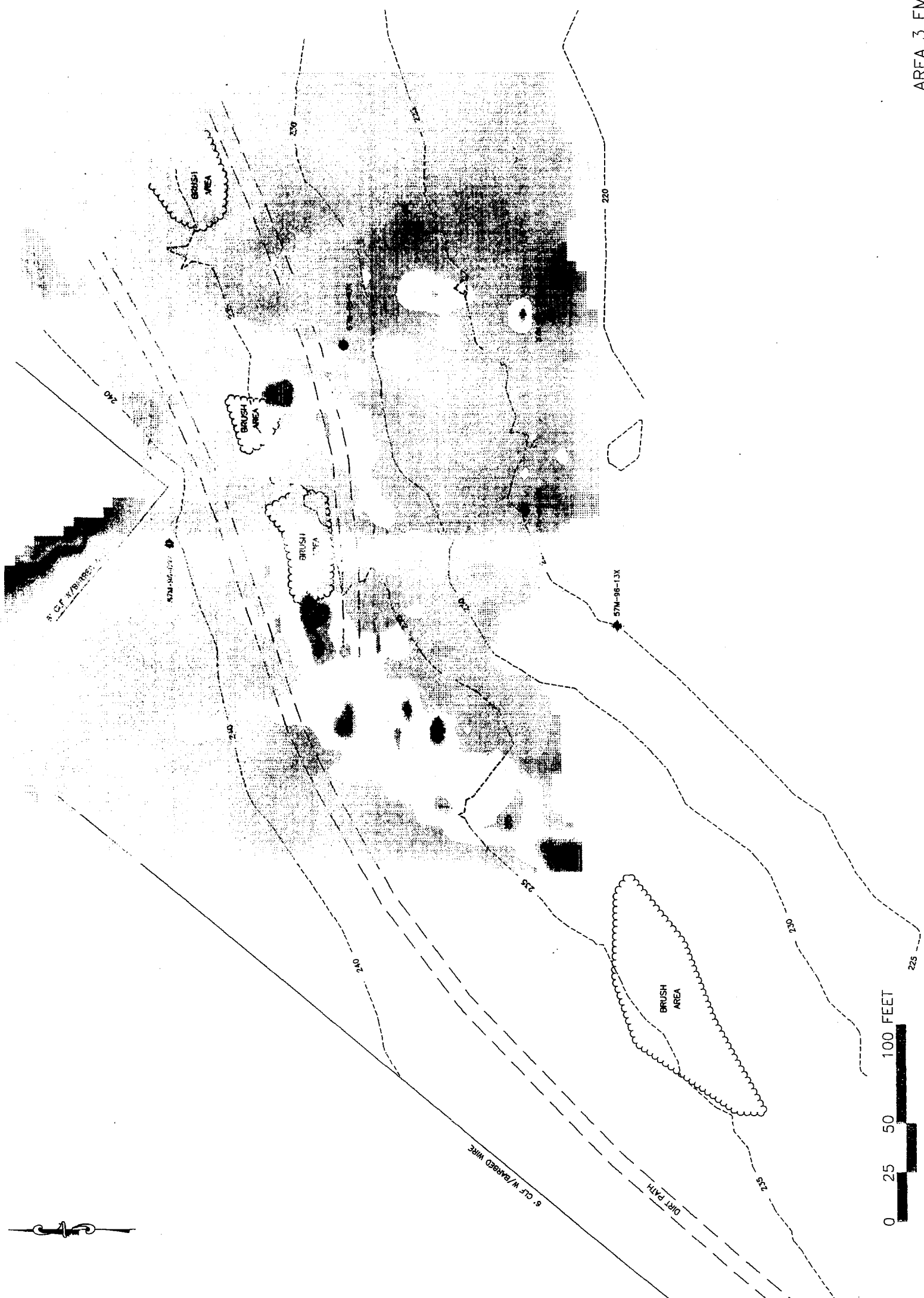
The lateral extent of geophysical surveying is shown on the attached Figures. EM-31, EM-61, and gradiometer surveying indicated the presence of several anomalies across the

APPENDIX C

survey areas. The most prominent anomalies are contemporaneous with the escarpment which parallels the drainage area bordering the southern portion of the site. This suggests that whatever materials were dumped in this area appear to have disposed of just over the edge of the bank. Surface debris was observed along the escarpment and included motor vehicle parts, glass, concrete with rebar, and razor wire. Test pitting was conducted at selected locations of high amplitude EM anomalies that could not be attributable to the presence of surfacial metallic objects or debris.



EM-31 QUADRATURE RESULTS
AOC 57/AREA 2
REMEDIAL INVESTIGATION REPORT
DEVENS, MA

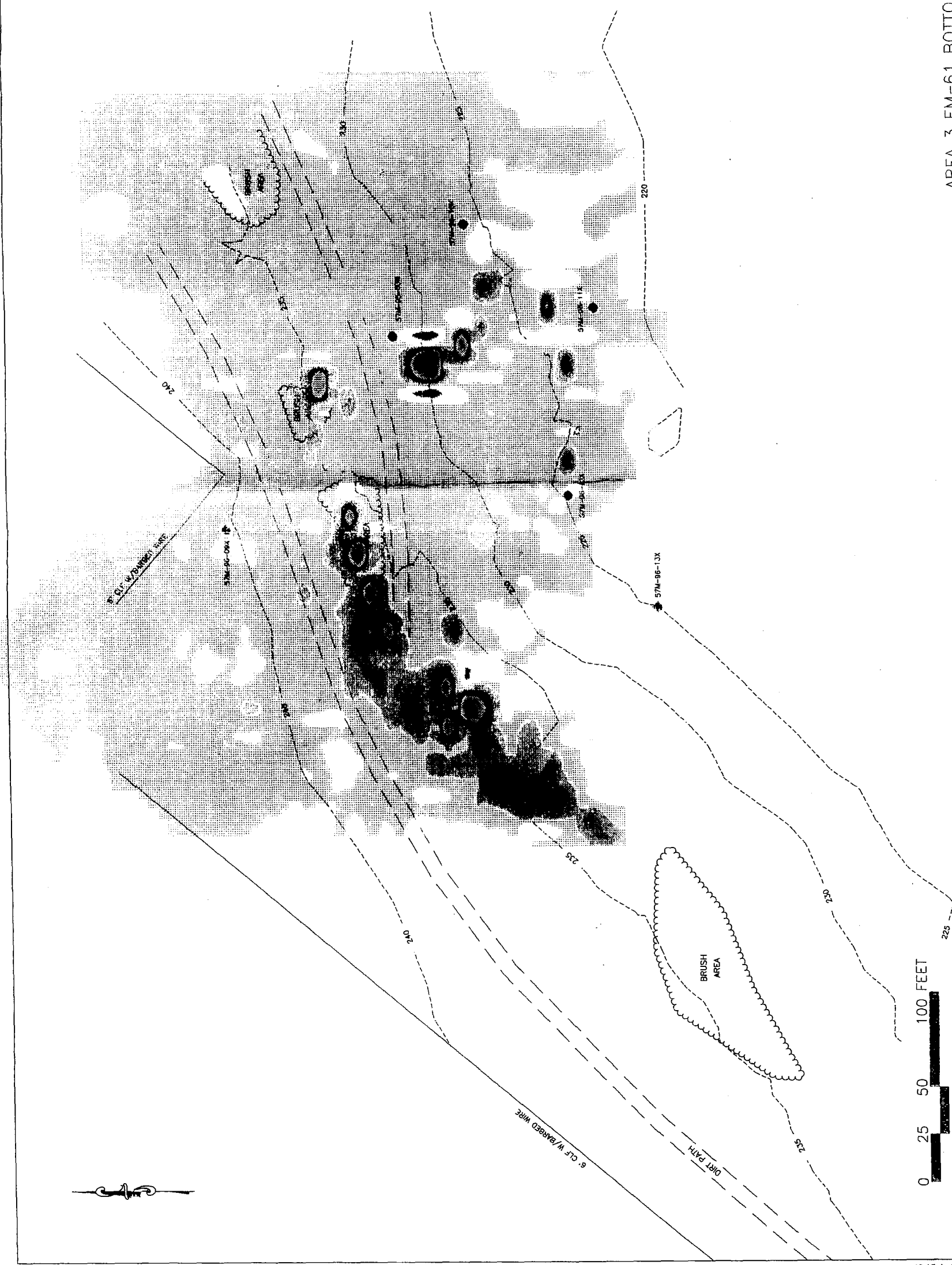


- LEGEND
- CHINA LINK FENCE
 - CONTOUR
 - EDGE OF WOODS
 - MOUNTAIN WEL



SCALE: 1"=50'

AREA 3 EM-31 QUADRATURE RESULTS
AOC 57
DEVENS, MA



- LEGEND
- CHINA LINK FENCE
 - CONTOUR
 - EDGE OF WOODS
 - MONITORING WELL

0 25 50 100 FEET

SCALE: 1"=50'

AREA 3 EM-61 BOTTOM COIL RESPONSE RESULTS
AOC 57
DEVENS, MA

QUALITY CONTROL RESULTS AND ASSESSMENT

- D-1 1993 ON-SITE AND OFF-SITE LABORATORY DATA
- D-2 1996 ON-SITE LABORATORY DATA
- D-3 1996 OFF-SITE LABORATORY DATA
- D-4 1998 OFF-SITE LABORATORY DATA (SUPPLEMENTAL
RI)
- D-5 1999 OFF-SITE LABORATORY DATA (AREA 3 SOIL
REMOVAL)

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1993 ON-SITE AND OFF-SITE LABORATORY DATA

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D.1.0 INTRODUCTION

This Data Quality Report (DQR) provides a detailed data quality assessment for off-site analytical data generated during site investigations conducted at Fort Devens during the fall 1995 at Areas of Concern (AOCs) 57, 63AX, and 69W. The DQR also addresses data collected in February of 1996, during the Round 2 Groundwater sampling event at AOCs 57, 63AX and 69W. The data quality assessment for the Round 2 Groundwater sampling event is presented separately within this report.

Samples collected during the investigations for off-site laboratory analyses were submitted to Environmental Science and Engineering (ESE), Gainesville, Florida. All laboratory data generated during the sampling programs were reviewed in terms of data quality objectives (DQOs) established in the Fort Devens Project Operations Plan (POP) (ABB-ES, 1995), published analytical methods (USEPA, 1988a; USEPA, 1989a) or applicable USEPA data validation guidelines (USEPA, 1988b; USEPA, 1989b). DQOs refer to a set of qualitative and quantitative statements that assess the data generated during the sampling and analysis phases of the project. The DQOs are defined by the parameters of precision, accuracy, representativeness, completeness, and comparability (PARCC). These parameters present an indication of the data quality, and the confidence that a particular compound may be present or absent in an associated environmental sample. This report describes the analytical methods performed at the on-site and off-site laboratories, and presents an assessment of data quality and usability for samples collected during the field investigations.

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D.1.1 OFF-SITE LABORATORY ANALYTICAL METHODS

Subsurface soil, sediment, groundwater, and surface water samples were collected during the 1995 Fort Devens Site Investigation. Groundwater samples were collected during the Round 2 sampling event. Samples were analyzed for chemical parameters on the Fort Devens Project Analyte List (PAL). The PAL and analytical methodologies are outlined in the Fort Devens POP (ABB-ES, 1995). The analyses performed are summarized on Table D-1.

The USEPA has recently identified two general levels of analytical data quality, Screening with Definitive Confirmation and Definitive Data, which replace the former five levels of data quality (USEPA, 1993). All off-site laboratory data are considered Definitive Data.

The contract laboratory which completed analyses of all off-site analytical samples was Environmental Science and Engineering (ESE), Gainesville, FL. All analyses run by the contract laboratory were completed implementing the 1990 U.S. Army Toxic and Hazardous Materials Agency (USATHAMA) QA Program (USATHAMA, 1990). Method performance demonstration, data management, and oversight for USATHAMA analytical procedures are currently performed by the U.S. Army Environmental Center (USAEC). A discussion of AEC-certified methods used by ESE Laboratories for samples collected at Fort Devens is provided in Section 7.0 of the Fort Devens POP (ABB-ES, 1995) and methods are listed in Table D-1. This table includes a description of the methods used as well as equivalent EPA methods, where they exist. The USAEC method numbers (i.e., method JS16) are specific to the project and to the particular laboratory

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performing the analyses. For some analyses standard USEPA methods are used. These methods are also indicated on Table D-1.

A detailed discussion of the USAEC laboratory QA program is presented in Section 3.0 of this RI. The laboratory must document proficiency using each of the methods by meeting USAEC performance protocols. Once the laboratory has demonstrated this proficiency, they become certified to perform that particular method. It is through this certification process that certified detection limits (CRLs) are established. CRLs for USAEC methods and reporting limits (RLs) for standard USEPA methods are presented in Appendix B of the Fort Devens POP (ABB-ES, 1995).

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D.2.0 OFF-SITE LABORATORY QUALITY CONTROL BLANK RESULTS

A quality control review was completed for off-site QC blanks including method blanks, rinse blanks and trip blanks which were analyzed at an off-site laboratory. Blank samples provide a measure of contamination that may have been introduced into a sample set either (1) in the field while samples were being collected or transported to the laboratory, or (2) in the laboratory during sample preparation and analysis. This discussion is intended to provide an evaluation of data generated at this laboratory based on method blank and field quality control blank data.

D.2.1 METHOD BLANKS

Method blanks were analyzed at the laboratory with each lot of samples to evaluate if sample processing and analysis resulted in sample contamination. Method blanks were performed for both water and soil samples for the following chemical classes: inorganics, VOCs, SVOCs, pesticides/PCBs. Method blanks were also analyzed using USEPA methods for hardness, alkalinity, TOC, TPHC, TDS, and TSS.

D.2.1.1 Inorganics

Four aqueous method blanks were analyzed by the laboratory for PAL inorganics during the 1995 Field Investigation. During the Round 2 Groundwater sampling event three aqueous method blanks were analyzed. All results for aqueous method blanks were below the respective CRLs indicating there was no inorganic contamination introduced at the laboratory.

Three soil method blanks were analyzed in association with field samples from the 1995 Fort Devens Investigation. Several elements were detected in soil method blanks. The frequency and concentration ranges of elements detected in these blanks are summarized in Table D-2. All results for mercury, selenium, arsenic, thallium, antimony, silver, beryllium, cadmium, copper, chromium, cobalt, sodium, nickel, lead, vanadium, and zinc were below the CRLs.

Soil method blank analyses were conducted by the laboratory using a USAEC approved soil as the matrix. A Rocky Mountain Blend soil type was used. The high frequency and concentrations of many of the inorganics are due to background levels inherent in this soil and are consistent with previous data collected from analysis of this soil blend. As a result, elements reported for soil method blanks are not believed to represent laboratory introduced contamination.

Based on soil and aqueous method blank results, significant inorganic contamination was not introduced during laboratory handling and analysis.

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D.2.1.2 VOCs

Method blanks were run with each lot of water and soil samples to determine if VOCs were introduced during laboratory handling and analysis.

Seven aqueous method blanks were analyzed for VOC contamination during the 1995 Field Investigation. No target compound results were above CRLs with the exception of acetone, methylene chloride, and chloroform. The concentration and frequency of detection for these compounds are shown in Table D-3.

Acetone and methylene chloride are considered common laboratory contaminants (USEPA, 1988b) and were likely introduced during laboratory handling.

Chloroform is commonly produced in chlorinated drinking water supplies. The source of the chloroform in method blanks could potentially have been the off-site laboratory. These results indicate that low concentrations of acetone, methylene chloride, and chloroform may have been introduced during laboratory handling. Field samples collected at Fort Devens during the 1995 Site Investigation with detections of these compounds at similar concentrations may not be representative of site conditions.

Three aqueous method blanks were analyzed for VOC contamination during the Round 2 Groundwater sampling event. No results for target VOCs were above CRLs.

Ten method blanks were analyzed for VOCs in soil during the 1995 Field Investigation. No method blank compound results were at concentrations above the CRLs with the exception of toluene. Toluene was detected in two out of ten

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method blanks at concentrations ranging from 0.00096 $\mu\text{g/g}$ to 0.001 $\mu\text{g/g}$. These results indicate that low concentrations of toluene may have been introduced during laboratory handling. Field samples collected at Fort Devens during the 1995 Field Investigation with similar concentrations of toluene may not be representative of site conditions.

D.2.1.3 SVOCs

Five aqueous method blanks were analyzed for SVOC contamination during the 1995 Field Investigation and three during the Round 2 Groundwater sampling event. The concentrations and frequency for compounds detected in aqueous method blanks are outlined in Table D-4. With the exception of diethyl phthalate and bis(2-ethylhexyl)phthalate, no target SVOCs were reported at concentrations above CRL values. Phthalates are referenced as common laboratory contaminant by the USEPA (USEPA, 1988b). Concentrations of diethyl phthalate and bis(2-ethylhexyl)phthalate reported in Fort Devens field samples may have been introduced as laboratory contamination. Dioctyl adipate (hexanedioic acid), dioctyl ester, and toluene, which are tentatively identified compounds (TIC) or non-target SVOCs, were also detected in method blanks.

Twelve method blanks for soil were analyzed for SVOC contamination during the 1995 Field Investigation. The concentrations and frequency for compounds detected in soil method blanks are outlined in Table D-5. No target SVOC results were at concentrations above CRLs with the exception of di-n-butyl phthalate. Di-n-butyl phthalate is considered a common laboratory contaminant by the USEPA (USEPA, 1988b) and was likely introduced during laboratory

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sample handling and extraction. Samples with similar concentrations of this compound are not considered representative of site conditions.

D.2.1.4 Pesticides/PCBs

Five aqueous method blanks and seven soil method blanks were analyzed for pesticide compounds and PCB during laboratory sample preparation and analysis during the 1995 Field Investigation. In addition, three water method blanks for PCBs and four water blanks for pesticides were analyzed for the Round 2 Groundwater sampling event. No pesticides/PCBs target compounds were at concentrations above CRL values, indicating no laboratory sample contamination occurred.

D.2.1.5 TPHC

Several analytical methods were used to measure and characterize petroleum hydrocarbons in aqueous method blanks. During the 1995 Field Investigation, five water method blanks were analyzed for total petroleum hydrocarbons (TPHC) by USEPA Method 418.1; four soil method blanks were analyzed for TPHC as diesel, gasoline and aviation gasoline by modified USEPA Method 8015; and six soil method blanks were analyzed for TPHC using USEPA Method 9071 to extract the soils followed by a method 418.1 analysis. One soil method blank analyzed by USEPA Method 9071/418.1 had 23 $\mu\text{g/g}$ of TPHC reported. All other method blank results from the 1995 Field Investigation were below the corresponding RLs.

Two water method blanks were analyzed for TPHC by Method 418.1 during the Round 2 Groundwater sampling event with results below the RLs.

Based on method blank results, the off-site laboratory is not believed to be a significant source of TPHC contamination for the Fort Devens field samples; however, low concentrations (approximately 23 $\mu\text{g/g}$) of TPHC in soils may represent laboratory contamination..

D.2.1.6 USEPA Methods for Water Quality Parameters

Method blanks were analyzed using USEPA methods for the following parameters: nitrate and nitrite-nitrogen, kjeldahl-nitrogen, anions (chloride and sulfate), total phosphate, hardness, alkalinity, TOC, TDS, and TSS.

Four water method blanks were analyzed during the 1995 Field Investigation and two during the Round 2 Groundwater sampling event for nitrate and nitrite nitrogen using USEPA Method 352.1. No blanks had concentrations above the CRL of 10 $\mu\text{g/L}$. Nitrogen was also analyzed using the kjeldahl method for organic nitrogen, USEPA Method 351.2. Three water method blanks were analyzed in association with the 1995 Field Investigation and two for the Round 2 Groundwater sampling event. All results were less than the RL of 183 $\mu\text{g/L}$.

Four water method blanks (three during the 1995 Field Investigation and one during the Round 2 Groundwater sampling event) were analyzed for total phosphate by USEPA Method 365.2. All results were less than the CRL of 13.3 $\mu\text{g/L}$.

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Anions in water (bromide, chloride, fluoride, and sulfate) were evaluated using ion chromatography, USEPA 300 Series Methods (USEPA, 1983). During the 1995 Field Investigation, one method blank was analyzed for bromide and fluoride, and four method blanks were analyzed for chloride and sulfate. Three additional water method blanks were analyzed in association with Round 2 Groundwater sampling event. All results for these method blanks were less than the corresponding CRLs.

During the 1995 Field Investigation, five water method blanks were analyzed for total dissolved solids (TDS) and total suspended solids (TSS) using USEPA Methods 160.1 and 160.2, respectively. One method blank contained TDS at 17000 $\mu\text{g/L}$ and TSS at 8000 $\mu\text{g/L}$. The TDS and TSS concentrations for all other method blanks were below the RLs of 10,000 $\mu\text{g/L}$ and 4,000 $\mu\text{g/L}$, respectively. Four water method blanks were analyzed during the Round 2 Groundwater sampling event for TDS and TSS. One blank contained TDS at 16,000 $\mu\text{g/L}$ compared to the RL of 10,000 $\mu\text{g/L}$. TSS was detected in two method blanks at 6,000 $\mu\text{g/L}$ and 7,000 $\mu\text{g/L}$ compared to the RL of 4,000 $\mu\text{g/L}$. These results indicate that low concentrations of TDS and/or TSS may be reported due to laboratory processing.

Two aqueous method blanks were analyzed for hardness (USEPA Method 130.2) during the 1995 Field Investigation and four during the Round 2 Groundwater sampling event. All method blank results for hardness were below the RL of 1,000 $\mu\text{g/L}$.

Three water method blank samples were analyzed for alkalinity (USEPA Method 130.1) during the 1995 Field Investigation, and three during the Round 2

Groundwater sampling event. Three of these method blanks had alkalinity reported at 1,000 $\mu\text{g/L}$ compared to the RL of 5,000 $\mu\text{g/L}$.

Four soil method blanks were analyzed during the 1995 Field Investigation for total organic carbon (TOC) concentrations using USEPA Method 9060. The TOC concentrations for these blanks were below the CRL of 360 $\mu\text{g/g}$.

Based on method blanks results for samples analyzed by USEPA methods, the data collected during the Fort Devens Site Investigation was not significantly impacted by laboratory contamination.

D.2.2 FIELD QUALITY CONTROL BLANKS

Field quality control blanks which were analyzed at the off-site laboratory include, rinse blanks, and trip blanks. Results from analyses of the field quality control blanks were used to evaluate the potential for contamination of samples during collection and shipment and processing at the off-site laboratory.

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D.2.2.1 Rinse Blanks

Rinse blanks were used to evaluate the potential for field sampling (e.g., insufficient cleaning of sampling equipment) cross contamination of site samples. Rinse blanks were collected by pouring previously analyzed deionized water over sampling equipment (i.e., split-spoons, trowels, and shelby tubes) and into sample containers. Dedicated sampling equipment was used for the Round 2 Groundwater sampling event so collection of rinse blanks was not done. The rinse blanks collected during the 1995 Fort Devens Investigation were analyzed for the following chemical classes: inorganics, VOCs, SVOCs, and pesticides. Rinse blanks were also analyzed by USEPA methods for TOC and TPHC.

Inorganics. Six rinse blanks were analyzed for PAL elements during the 1995 Field Investigation. PAL elements were not detected at concentrations above the CRLs with the exception of mercury, lead, iron, potassium, and manganese. The concentration range and frequency of detection for these elements is shown in Table D-6. Detections of these elements may represent residual contamination left on the sampling equipment prior to the rinse blank collection. In general, the rinse blank data indicate that decontamination procedures were effective in the removal of residual inorganic contamination from the sampling equipment.

VOCs. Six rinse blanks were analyzed for VOCs during the 1995 Field Investigation. The concentration range and frequency for VOCs detected in rinse blanks above the CRL are shown in Table D-7.

The USEPA considers methylene chloride and acetone common laboratory contaminants (USEPA, 1988b). These compounds were detected in the method

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blanks as well as the rinse blanks, indicating they may represent laboratory contaminants. Fort Devens field samples with detections of these compounds at similar concentrations should be considered laboratory related contamination.

Detections of carbon tetrachloride, chloroform, and 1,1,1-Trichloroethane in Fort Devens Field samples at concentrations similar to those detected in rinse blanks (Table D-7) may be related to field sampling or decontamination procedures.

SVOCs. Six rinse blanks were collected during the 1995 Field Investigation and analyzed for SVOCs. The concentration range and frequency of detection for semivolatile compounds detected in rinse blanks is shown in Table D-8. With the exception of bis(2-ethylhexyl) phthalate and benzyl alcohol, all results for target SVOCs were at concentrations below CRLs. The presence of low concentrations of benzyl alcohol in Fort Devens field samples may be attributed to field sampling activities and not representative of actual site conditions. The USEPA Region I considers phthalates as common laboratory contaminants (USEPA, 1988b). Phthalates were detected in the method blanks as well as the rinse blanks indicating that they were likely introduced as laboratory contamination.

Several SVOC TICs including N,N-diethyl-3-methylbenzamide (N,N-diethyl-m-tolamide), and benzyl adipate were detected in one rinse blank. Six additional unknown non-target SVOCs were detected in the rinse blanks at concentrations ranging from 4 µg/L to 10 µg/L; however, most of these unknown constituents were also detected in the method blanks indicating that the contamination was laboratory related.

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Pesticides/PCBs. Four rinse blanks were analyzed for pesticides and PCBs during the 1995 Field Investigation. All results for pesticides and PCBs were below CRLs. The lack of pesticides and PCBs detected indicates there is no evidence of cross contamination during field sampling.

USEPA Methods. During the 1995 Field Investigation, three rinse blanks were analyzed for TOC and all results were at concentrations below the RL of 1000 $\mu\text{g/L}$. Six rinse blanks were analyzed for TPHC. Concentrations of TPHC in all blanks were below the RL of 100 $\mu\text{g/L}$. These data indicate contamination of TOC and TPHC during field sampling did not occur.

D.2.2.2 Trip Blanks

Trip blanks are analyzed to assess the potential for cross contamination of VOCs during sampling, transit, and storage. The trip blank consists of a VOA sample container filled at the contract laboratory with DI/carbon filtered water and shipped to the site with the other VOA sample containers. Trip blanks were included with each shipping container of field VOC samples.

Sixteen trip blanks were collected and analyzed in association with samples analyzed for VOCs from the Fort Devens 1995 Site Investigation and two from the Round 2 Groundwater sampling event. Target VOCs and associated TICs detected in the trip blanks, including the frequency and range of concentrations are shown in Table D-9.

The USEPA considers acetone and methylene chloride common laboratory contaminants (USEPA, 1988b). Acetone, methylene chloride, and chloroform

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were detected in the method blanks as well as the trip blanks indicating they were introduced at the laboratory. Fort Devens field samples with concentrations of these compounds in the range detected in trip blanks and method blanks, are not considered representative of site conditions at Fort Devens.

The presence of carbon tetrachloride and tetrachloroethene in trip blanks indicates that cross contamination may have occurred in shipment or handling of the field samples. However, no carbon tetrachloride or tetrachloroethene was detected in samples from AOC 63AX.

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D.3.0 ACCURACY OF OFF-SITE LABORATORY DATA

Accuracy is a quantitative parameter that determines the nearness of a result to its true value. Accuracy measures the bias in a measurement system. The accuracy of each analytical method was evaluated based on percent recoveries for matrix spikes and/or surrogate standards.

A matrix spike is a sample of a particular matrix to which predetermined quantities of standard solutions of certain target analytes were added prior to sample extraction/digestion and analysis. Samples were split into replicates, one replicate was spiked and both aliquots were analyzed.

Accuracy was also evaluated using the recovery of surrogate standards in the volatile and semivolatile analyses. Surrogate standards are organic compounds which are similar to the analytes of interest in chemical composition, extraction, and chromatography, but which are not normally found in environmental samples. These compounds are spiked into all volatile and semivolatile samples prior to analysis.

Percent recovery of matrix spikes and surrogate spikes provide an indication of data accuracy and potential data bias from matrix related effects. Percent recovery was calculated using the equation shown in Section 3.3 of the Fort Devens POP (ABB-ES, 1995). The percent recovery for these QC samples were evaluated and are discussed below.

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D.3.1 MATRIX SPIKES

Soil, sediment, surface water and groundwater samples were used for matrix spike and matrix spike duplicate analysis. Spiked samples were analyzed for hardness, alkalinity, nitrate and nitrite-nitrogen, kjeldahl-nitrogen, sulfate, total phosphate, TPHC, TOC, PAL inorganics, and PAL pesticide/PCBs. Matrix spike and matrix spike duplicate (MS/MSD) samples were collected at a rate of one per twenty environmental samples. A summary of all MS/MSD data collected during the Fort Devens Site Investigations are presented in Table D-10 and Table D-11.

The spike data for all samples collected during 1995 Fort Devens Site Investigation were evaluated together, and are discussed below as one data set. Similarly, all groundwater spiked samples collected during the Round 2 Groundwater sampling event were evaluated collectively. The data have been segregated by method and by analytical parameter to show recovery trends of the individual spiked analytes. In the tables, matrix spikes have been paired with the corresponding matrix spike duplicates to make recovery comparisons. The average recoveries, and maximum and minimum recoveries for water samples (surface water and groundwater) and solid media (subsurface soil and sediment) are presented to measure trends for each particular method. The criteria used for interpreting MS/MSD data are taken from USEPA CLP analytical protocols (USEPA, 1988a; USEPA, 1989a) and the Fort Devens Project Operations Plan (ABB-ES, 1995).

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D.3.1.1 Inorganics

Matrix spike analysis was completed for recoveries of PAL elements. USEPA CLP guidelines specify control limits of recovery for inorganic MS/MSD 75% to 125% (USEPA, 1988). The majority of PAL elements had recoveries within USEPA control limits. A subset of elements had recoveries outside these limits. Elements with at least one MS/MSD recovery outside USEPA CLP limits are presented in Table D-12.

Groundwater, 1995 Field Investigation. The following samples were spiked with target elements: one filtered and unfiltered groundwater sample from AOC 57; one unfiltered groundwater sample from AOC 69W; one filtered groundwater and two unfiltered groundwater samples from AOC 63AX. Elements with recoveries outside the USEPA CLP limits include mercury, arsenic, antimony, calcium, iron, and manganese.

For the elements arsenic, calcium, manganese, and iron, all matrix spike concentrations were low relative to concentrations already present in the sample. For example, the spike concentration for calcium was 10,000 $\mu\text{g/L}$ compared with sample concentration which was 52,800 $\mu\text{g/L}$. USEPA Region 1 data validation guidelines (USEPA, 1989b) specify spike concentrations be greater than four times the sample concentration for data qualification actions to reply. Since the spike concentration is insignificant relative to the sample concentration, an accurate matrix spike recovery cannot be measured. Based on these results, results for arsenic, calcium, and manganese in groundwater are not qualified in this RI.

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Percent recoveries for mercury and antimony were slightly below the lower CLP control limit of 75% in a small subset of samples. Low recoveries for antimony and mercury were only observed in one or two of sixteen samples, respectively. Based on this data, mercury and antimony data for aqueous samples is not qualified.

Groundwater, Round 2. The following samples were spiked with target elements: one filtered and unfiltered groundwater sample from AOC 57, 63AX and 69W; and one additional unfiltered groundwater sample from AOC 63AX. The majority of PAL elements had recoveries within USEPA control limits. A subset of elements had results outside these limits. Elements with recoveries outside the USEPA CLP limits include lead, selenium, arsenic, antimony and manganese.

Spike recoveries for arsenic in one out of fourteen samples were above the upper control limit of 125%. The recovery in this sample was 135.7%; however, the spiked sample duplicate recovery was acceptable (124.3%). The low frequency of outlier recoveries for arsenic indicate there was minimal matrix related effects and no qualification of results was conducted.

For manganese, the matrix spike concentration was low relative to concentrations already present in the sample so matrix spike recovery cannot be measured.

Low spike recoveries were reported for lead and selenium in both the filtered and unfiltered sample and duplicate from AOC 57 (MXG302X2). These data suggest there may be some matrix interference in AOC 57 groundwaters reported for lead and selenium. Lead and selenium were not detected in any samples. CRLs

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reported for these elements should be considered estimated and potentially biased low. Lead and selenium recoveries in the remaining ten samples evaluated were all acceptable.

The percent recoveries for antimony were low in several spiked samples. A total of six out of fourteen spiked samples had recoveries below the lower control limits. Outlier recoveries ranged from 39.5% in the sample and sample duplicate MXG302X2 and MDG302X2 to 74.9% in sample MXAX08A2. Antimony was not detected in any groundwater samples. Based on these data, antimony CRLs for aqueous samples are considered estimated and potentially biased low.

Surface Water. One surface water sample from AOC 57 (WX5705XX), including both filtered and unfiltered samples, was spiked with target elements. All elements had percent recoveries for MS/MSDs within the USEPA CLP limits with the exception of iron. The MS for iron in the filtered surface water sample had a recovery of 129%; however, iron recovery for the filtered MSD was acceptable (118%) and results are not qualified. Recoveries of iron in the unfiltered sample were acceptable. Overall, the inorganic spike data indicate that aqueous concentrations were not significantly influenced by matrix effects.

Soil. Five soil MS/MSD samples were analyzed for PAL inorganics; for lead analyses three matrix spike and matrix spike duplicate samples were analyzed by GFAA and two by ICP. The majority of PAL elements had recoveries within CLP limits. Elements for which at least one MS/MSD recovery was not within USEPA CLP limits are presented in Table D-13.

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For the elements aluminum and iron, all matrix spike concentrations were low relative to concentrations already present in the sample. Since the spike concentrations were insignificant relative to sample concentrations, matrix spike recoveries were not assessed.

The elements mercury, selenium, lead (by GFAA), arsenic, manganese, and nickel in soil had MS/MSD recoveries above and below the USEPA CLP recovery range. The frequency at which the recovery was outside the USEPA CLP limits, and corresponding recovery ranges are shown in Table D-13.

For mercury, MS/MSD recoveries in soil sample EX571501 from AOC 57 were below the USEPA control limits; however, recoveries in the other eight spiked samples were within the control limits. Overall, mercury concentrations for soil samples are acceptable based on the MS/MSD recovery data, and qualification of the data was not conducted.

One selenium MS/MSD pair had recoveries just below the lower control limit, and two other pairs had recoveries above the upper control limit. Based on spike recovery data, positive detections of selenium in soil are considered estimated with no particular low or high bias.

The recovery of lead by GFAA ranged from 50% to 60% in two of the three MS/MSD pairs, slightly below the lower limit of 75%. Recoveries in the third pair were 23.7% and 140.5%. Recoveries of lead in the two pairs of MS/MSD analyzed by ICP were all acceptable. Results indicate lead results for soil analyzed by GFAA are estimated, and results may be biased low.

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Five out of ten spiked soil samples had arsenic recoveries above the USEPA control limit. One spiked soil sample (BXAX0206) was reported below the lower limit; however, the spike concentration in this sample was low relative to the concentration already present in the sample so recovery evaluations could not be made. The high recoveries of arsenic in 50% of the spiked soil samples indicate that there may be some matrix interference. Results for arsenic in soil samples should be considered estimated and potentially biased high.

Manganese recoveries were outside the control limit in seven out of the ten MS/MSD samples. However, with the exception of one sample (BX570319), all MS were low relative to the sample concentration making the comparison invalid. The recovery in the sample BX570319 (68.6%) was just below the lower control limit of 75%. Due to the low frequency of valid outlier recoveries of manganese, the soil matrix does not appear to have significantly impacted the data. Qualification of manganese data based on spike recoveries in soil was not conducted.

The recovery for nickel (128.3%) in soil sample BXAX0206 was slightly above the upper control limit. All nine other MS/MSD recoveries ranged from 104% to 118%. Based on these results, recovery of nickel in soil does not appear to be impacted by the soil matrix. Qualification of nickel data for soil was not conducted.

Sediment. Two sediment MS/MSD samples were analyzed for PAL inorganics; for lead analyses one MS/MSD sample was analyzed by GFAA and one by ICP. The majority of PAL element recoveries were within CLP control limits.

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Elements for which at least one MS/MSD recovery was not within USEPA CLP limits are presented in Table D-14.

For the elements aluminum and iron, all matrix spike concentrations were low relative to concentrations already present in the sample. Since the spike concentration is insignificant relative to sample concentrations, an accurate matrix spike recovery was not evaluated.

The elements arsenic, antimony, and manganese in sediment samples had MS/MSD recoveries above and below the acceptable USEPA CLP recovery range. The frequency at which the recoveries were outside the USEPA CLP limits and the recovery ranges are shown in Table D-14.

The arsenic MS/MSD recoveries for one out of the two sediment samples were approximately 12%, well below the USEPA control limits. The sample was DX2W0200 collected from AOC 69W. Due to the low MS recovery, positive results for arsenic in sediment samples from AOC 69W should be considered biased low, and non-detect results are unusable.

Percent recoveries for antimony in sediment samples were slightly above the upper USEPA control limit of 125% in two of the four samples. The recoveries in these samples were 126% and 126.7%, indicating that matrix effects for sediment were minimal. All sediment results for antimony are considered acceptable based on the MS/MSD results for accuracy, and qualification of the data was not conducted.

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Manganese recoveries for MS/MSDs in sediment were acceptable in three of the four samples analyzed. The recovery in one MS for sample DXZW0200 from AOC 69W was only 4%, well below the USEPA control limit of 75%. Due to the low MS recovery, positive results for manganese in sediment samples from AOC 69W should be considered biased low, and non-detect results should be considered unusable.

D.3.1.2 Pesticides/PCBs

Pesticide and PCB compounds were spiked into groundwater, surface water, soil and sediment samples to evaluate matrix effects. Nine target pesticide and two PCB compounds were used for spiking including endosulfan I, endosulfan II, aldrin, dieldrin, endrin, heptachlor, isodrin, lindane, methoxychlor, 4,4'-DDT, aroclor 1016, and aroclor 1260. Percent recoveries for pesticides were compared to the USEPA CLP guidelines (USEPA, 1988) control limits. The USEPA CLP guidelines do not specify limits for spike recoveries of endosulfan I, endosulfan II, isodrin, methoxychlor, and PCBs. For these compounds, the surrogate recovery control limits of 30% to 150% specified in the USEPA CLP Guidelines (USEPA, OLM03.1 August 1994) were used as guidance in evaluating spike recoveries.

Groundwater, 1995 Site Investigation. Three groundwater samples, one from AOC 57, 63AX and 69W, were spiked with pesticides and PCBs. Recoveries were within USEPA limits for all spike compounds with the exception of aldrin in one of six spiked samples. A recovery of 121% was reported. This exceeds the upper control limit of 120%. Due to the low frequency of recoveries out of limits no qualification of results is done.

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Groundwater, Round 2. Three groundwater samples, one from each of the AOCs 57, 63AX and 69W, were spiked with target pesticides. Two groundwater samples, one from AOC 63AX and one from AOC 69W were spiked for PCBs. The recoveries of all analytes were within USEPA limits.

Surface Water. One surface water sample from AOC 57 was spiked with target pesticides and PCBs. All spike recoveries were within the USEPA CLP control limits for aqueous samples. The aqueous MS/MSD recovery data for pesticides/PCBs indicate that there were no matrix effects and qualification of the data was not required.

Soil. Four MS/MSD soil sample pairs from AOC 57 were spiked with pesticide and PCB compounds. The majority of spike analytes were within recovery limits. Analytes for which at least one MS/MSD recovery was not within USEPA CLP limits are presented in Table D-15.

The recovery of endosulfan II in soil sample EX571502 exceeded the upper control limit in both the MS and MSD. However, recoveries of endosulfan II in the three other spiked sample pairs were within limits. Both MS and MSD spike recoveries for 4,4-DDT in sample EX571600 exceeded the upper control limits but recoveries in the remaining three soil samples were within control limits.

Spike recoveries for aroclor 1016 were acceptable; however, one of the spike recoveries for aroclor 1260 in sample EX571502, and both MS and MSD recoveries in sample EX571502 were above the upper control limit. The original

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analysis reported high aroclor 1260 concentrations relative to spike concentrations and no actions were taken for the high recoveries.

High recoveries of endosulfan II, 4,4-DDT, and Aroclor-1260 in soil indicate some matrix interference. There were no detects of endosulfan II in AOC 57 samples. Positive results for 4,4-DDT in soil samples collected at AOC 57 should be considered estimated and potentially biased high.

Sediment. Two sediment samples, one from AOC 57 and one from AOC 69W, were spike with target pesticides and PCBs. The percent recoveries of the spiked samples were compared to the USEPA CLP control limits and all recoveries were within the criteria range with the exception of 4,4-DDT. One out of the four reported recoveries for 4,4-DDT (166.7%) exceeded the upper control limit of 134%. Based on the low frequency of exceedances for recovery of 4,4-DDT qualification of sediment data was not conducted.

D.3.1.3 USEPA Methods

Matrix Spike recoveries for USEPA methods water quality parameters were evaluated for groundwater and surface water. The matrix recoveries for soil and sediment were also evaluated for TOC, TPH as gasoline and diesel, and TPHC.

For water quality parameters of hardness, alkalinity, nitrate and nitrite-nitrogen, kjeldahl-nitrogen, sulfate, and total phosphate, the USEPA CLP control limits for inorganic matrix spikes (75% - 125% recovery) were used for guidance.

Professional judgement was used when evaluating the organic parameters TOC

and TPHC. The MS/MSD recoveries for these parameters were evaluated on a sample by sample basis and are discussed below.

Groundwater, 1995 Field Investigation. Five groundwater samples were spiked for hardness including three groundwater samples from AOC 57, one from AOC 63AX, and one from AOC 69W. Hardness data for which at least one MS/MSD recovery was not within USEPA CLP limits are presented in Table D-16.

Four out of eight spike recoveries for hardness were well below the lower control limit of 75%. The outlier recoveries were found in the samples MXAX02X1 and MXZW01X3 from AOCs 69W and 63AX, respectively, and one of the two samples (MX5701X1) from AOC 57. Based on these results, there appears to be either significant matrix interference or other analytical performance issues resulting in low spike recoveries. With the exception of groundwater sample MXG302X1 in which acceptable hardness recoveries were reported, all hardness results for groundwater samples should be considered invalid.

For alkalinity three groundwater samples from AOC 57 and one groundwater sample from AOC 69W were spiked for matrix evaluation. All spiked sample recovery results for alkalinity are within control limits. According to the data downloaded from IRDMIS, percent recoveries for alkalinity reported for Lot PJOW exceed the control limits. However, the high recoveries are believed to be erroneous due to a unit conversion error for two spiked samples in Lot PJOW. Corrective action for this discrepancy is currently ongoing.

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Spike sample recoveries for all other water quality parameters were within the established control limits indicating no matrix effects.

Groundwater, Round 2. Five groundwater samples were spiked for hardness including two groundwater samples from AOC 57, one from AOC 63AX and AOC 69W. Two sets MS/MSDs were analyzed for the sample from AOC 63AX. Hardness data for which at least one MS/MSD recovery was not within USEPA CLP limits are presented in Table D-16.

Two spike recoveries for hardness were well below the lower control limit of 75%. The outlier recoveries were found in the sample MXAX03X2 from AOC 63AX. However, an additional spike and spike duplicate analysis for this sample was performed and results were within the control limits. Based on these results, there does not appear to be any significant matrix effects impacting the hardness data. All hardness results for groundwater samples remained unqualified.

For alkalinity, two groundwater samples from AOC 57 and one groundwater sample from AOC 69W were spiked for matrix evaluation. All recovery results for alkalinity are within the established guidelines.

Spike sample recoveries for all other water quality parameters were within the established control limits indicating no matrix effects. Spike recovery control limits for TPHC are not available; however, spike recoveries ranged from 89% to 97.9% and are considered acceptable.

Surface Water. One surface water sample from AOC 57 (WX5705XX) was spiked to evaluate matrix effects on the measurement of water quality parameters

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listed above. All results were within the established control limits indicating no matrix interference.

Soil. Two MS/MSD soil sample pairs from AOC 57 were spiked and analyzed for matrix effects on concentrations of TPH as diesel and gasoline by Modified USEPA Method 8015. The recovery range for these samples was 74.9% to 112.4%. Based on these results, there does not appear to be any adverse effects on the TPHC data analyzed by USEPA Method 8015.

A total of seven spiked sample pairs were analyzed for matrix effects on TPH by USEPA Method 9071/418.1. These samples included three soil samples from AOC 57, three from AOC 63AX, and one from AOC 69W. The majority of samples had percent recovery ranging from 71.0% to 128.6%. The spike recoveries outside this range included one sample from AOC 57 (EX571502) which exhibiting relatively low recoveries of 29.2% and 43.7% in the MS and MSD, and one sample from AOC 63AX (AXE9503X) in which the MS had a relatively low recovery of 52.6%. In general, spike recoveries for TPH by USEPA Method 9071 in all other soil samples indicated acceptable method performance. Low recoveries in samples EX571502 and AXE9503X may be attributed to sample homogeneity in the unspiked samples and are not likely an indication of poor method performance. Based on the spike recoveries for TPHC, qualification of the data was not conducted.

Four soil samples were spiked for TOC analysis, including two from AOC 57, and two from AOC 69W. The recovery of these spiked samples ranged from 77.5% to

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132.3%. Based on these results, there appears to be no matrix related effects on TOC concentrations in soil.

Sediment. Two pairs of sediment MS/MSD samples, one from AOC 57 and one from AOC 69W, were analyzed for matrix effects on petroleum hydrocarbon concentrations. Recoveries ranged from 88.9% to 171.9% for TPH as diesel, and 84.2% to 162.3% for TPH as gasoline, indicating good method performance.

The spike recoveries of TPHC for USEPA Method 9071 were 4.3% and 51.4% in the MS and MSD in sample DX570500 from AOC 57. These spike recoveries are low in comparison the spike recoveries observed for the second sediment sample (DXZW0200) which were approximately 117% in the MS and MSD. Low spike recoveries in sediment sample DX570500 may be attributed to sample heterogeneity or from matrix interference. All positive sediment sample results for TPHC for AOC 57 sediments should be considered estimated and biased low, and all non-detect results should be considered invalid.

Matrix spike and MSDs were analyzed for two sediment samples from AOC 57 to evaluate matrix effects on TOC concentrations. The percent recoveries in sample DX570500 ranged from 83.9% to 125.0% indicating good accuracy within the matrix. Spike recoveries for the second sediment sample from AOC 57 (DX570900) were only 0.9% and 54.0%. This sample had a high TOC concentration in the original sample which likely contributed to the low recoveries. No qualification of results was conducted.

D.3.2 SURROGATE RECOVERIES

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In addition to matrix spikes, the recovery of surrogate standards were also used to assess matrix effects and accuracy of the analytical data. Surrogate standards were used for VOC and SVOC analyses and were added to all soil, sediment, surface water and groundwater samples prior to analysis.

D.3.2.1 SVOC

The SVOC surrogate standards used to evaluate matrix effects and analytical accuracy included 2-fluorophenol, phenol-D6, 2,4,6-tribromophenol, nitrobenzene-D5, 2-fluorobiphenyl, and terphenyl-D14. Recovery criteria for these surrogates, are taken from analytical USEPA CLP protocols (USEPA, 1988a) and the Fort Devens Project Operations Plan (ABB-ES, 1995) and are presented in Table D-17.

Interpretations on data usability were based on guidance outlined in the USEPA Region I Functional Guidelines for Data Validation (USEPA, 1988). According to this guidance SVOA sample results are qualified based on independent evaluations of surrogate recoveries for acid fraction compounds and base-neutral compounds. Each fraction has three surrogates. The acid fraction surrogates include 2-fluorophenol, phenol-D6, and 2,4,6-tribromophenol. The base-neutral surrogate standards include nitrobenzene-D5, 2-fluorobiphenyl, and terphenyl-D14. SVOA positive results are qualified as estimated if two or more surrogates in either the acid or base-neutral fraction are outside the recovery limits. Positive results are qualified as estimated and negative (non-detect) results are qualified as unusable (rejected) if any surrogate is less than ten percent recovery for the associated fraction.

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All SVOA samples were evaluated using the criteria outlined above. Sample results were identified as usable, estimated, or rejected based on the USEPA Region I Guidelines. Data bias was identified if trends in surrogate recoveries for individual samples indicated low or high bias.

Groundwater, 1995 Field Investigation. All SVOC results for groundwater samples meet USEPA surrogate standard recovery guidelines.

Groundwater, Round 2. All surrogate standard recovery data is within USEPA guidelines. Based on surrogate standard recoveries, qualification of sample data was not conducted.

Surface Water. Surface water samples with two or more surrogate standards from acid fraction with recoveries outside the acceptable QC limits included samples from AOC 57 sample (WX5704XX, WX5705XX, WX5706XX, WX5710XX). Surrogate recoveries above the control limits for 2-fluorophenol and phenol-D6 were observed for these samples. No acid fraction compounds were detected in any of the surface water samples and no qualification of results was conducted.

Soil. Soil samples with two or more surrogate standards from the acid fraction with recoveries outside the acceptable QC limits included AOC 57 samples EX570405 and BX570200. High outlier recoveries for 2-fluorophenol and phenol-D6 were reported for these samples. Soil sample EX572404 had two surrogate standards in the base-neutral fraction (2-fluorobiphenyl and nitrobenzene-D5) with high recoveries. No acid fraction compounds were detected in these samples and no qualification of results was conducted. No base neutral fractions

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compounds were reported in these two samples, and no qualification of results was conducted.

All soil samples spiked with SVOC surrogate standards had recoveries above the 10% minimum recovery criteria with the exception of 2,4,6-tribromophenol in sample EX571602. All non-detect results in the acid fraction of this sample are rejected and considered unusable.

Sediment. All sediment samples had recoveries of surrogate standards within the USEPA CLP limits. All SVOC surrogate results for sediment samples are within guidelines.

D.3.2.2 VOCs

Surrogate standards used for volatile organics include 1,2-dichloroethane-D4, 4-bromoflourobenzene, and toluene-D8. The criteria used for interpreting surrogate data are taken from analytical USEPA CLP protocols (USEPA, 1988a) and the Fort Devens Project Operations Plan (ABB-ES, 1995) and are presented on Table D-18. Interpretations on data usability were based on guidance outlined in the USEPA Region I Functional Guidelines for Data Validation (USEPA, 1988). According to the guidelines, positive results and quantitation limits are considered estimated values if one or more surrogate standard per sample is outside the recovery limits. If any surrogate standard is recovered at less than ten percent, positive results are considered estimated values and non-detect results are rejected and considered unusable.

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All VOC samples were evaluated using the criteria outlined above. Sample results were identified as usable, estimated, or rejected based on the USEPA Region I Guidelines. Data bias was identified if trends in surrogate recoveries for individual samples indicated low or high bias.

Groundwater, 1995 Field Investigation. The surrogate recoveries for groundwater samples at AOCs 57, 69W and 63AX were evaluated for matrix effects and accuracy of the analytical data. All samples had recoveries within CLP ranges with the exception of those discussed below.

Five groundwater samples from AOC 57 (MX5702X1, MX5703X1, MX5705X1, MX5706X1, MDG307X1), one sample from AOC 69W (MXZW12X3), and three samples from AOC 63AX (MXAX03X1, MXAX07X1, MXAX08X1) had surrogate recoveries for 1,2-dichlorobenzene-D4 above the CLP criteria. Positive results for VOCs in these samples should be considered estimated, and possibly biased high; however, no positive detections were reported in samples MX5702X1, MX5705X1, MX5706K1, MD6307X1, and MX1X08X1. Sample MXAX03X1 had only chloroform reported, which was likely a contaminant (see Section 2). Positive results for ethylbenzene, tetrachloroethene, toluene, xylenes, and chloromethane reported in MX5703X1, MXZW12X3, and MXAX07X1 are considered estimated and potentially biased high.

Groundwater samples, MXAX08B1 and MXAX09X1 from AOC 63AX, had surrogate recoveries for toluene-D8 and 4-bromoflourobenzene below the lower control limits for these standards. Based on these results, positive results and CRLs reported for volatile organics, these samples should be considered estimated, and biased low values.

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Groundwater, Round 2. The surrogate recoveries for groundwater samples at AOCs 57, 69W and 63AX were evaluated for matrix effects and accuracy of the analytical data. All samples had recoveries within CLP ranges with the exception of those discussed below.

Four groundwater samples from AOC 63AX (MXAX02X2, MXAX03X2, MXAX04X2, and MXAX08B2) and six samples from AOC 69W (MXZW10X4, MXZW11X4, MXZW14X4, MXZW15X2, MXZW18X2, and MDZW11X4) had surrogate recoveries for 1,2-dichlorobenzene-D4 above the CLP criteria. Positive results for VOCs in these samples should be considered estimated, and biased high; however, no positive detections, or only low concentrations of toluene ($< 1.2 \mu\text{g/L}$) were reported in all samples with the exception of MXZW10X4. The concentration of ethyl benzene reported in MXZW10X4 is estimated and potentially biased high.

Surrogate recoveries for toluene-D8 and 4-bromoflourobenzene ranged from 86% to 106%, and 88% to 100%, respectively. All recoveries were within the control limits.

Surface Water. The recovery of surrogate standard 1,2-Dichloroethane-D4 in surface water samples WX5704XX and WX5705XX from AOC 57 exceed the upper control limit. No VOCs were reported in WX5704XX. Positive results reported for 1,2-dichloroethene, tetrachloroethene, and trichloroethene in surface water sample WX5705XX are considered estimated and potentially biased high. The recoveries for all other surrogate standards in surface water samples were within the established guidelines.

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Soil. The recoveries of surrogate standards toluene-D8 and 4-bromoflourobenzene in soil sample BXZW0107 from AOC 69W exceeded the upper control limit. Positive concentrations of ethylbenzene and xylenes in this sample are estimated and possibly biased high. The surrogate recovery for toluene-D8 in one sediment sample from AOC 69W (RXZW3006) also exceeded the upper control limit. Positive results for toluene, xylene, and styrene should be considered estimated, and potentially biased high. All other VOC surrogate standard recoveries for soil samples were acceptable.

Sediment. Several surrogate recoveries reported for sediment samples from AOC 57 were above the upper control limits. These sediment samples include DX570500, DX570502, DX570600, DX570800, DX570900, and DX571000. Only acetone and low concentrations of toluene ($< 0.01 \mu\text{g/g}$) were reported in these samples. Because acetone represents possible laboratory contamination, and concentrations of toluene were so low, no qualification of these results was conducted. All other VOC surrogate standard recoveries for sediment samples were acceptable.

VOC surrogate recovery data indicate some matrix related effects. As indicated some sample results should be considered estimated with potential high and low bias, but overall the accuracy of the GC/MS method used for VOC analyses was acceptable.

D.4.0 PRECISION

Precision is a measure of the reproducibility of the analytical results under a given set of conditions. It is a quantitative measure of the variability of a group of measurements compared to their average value. Precision is measured as the relative percent difference (RPD) between a sample and its duplicate, as is calculated for field duplicate samples, and matrix spike/matrix spike duplicate samples. The following equation is used to calculate the RPD.

$$RPD = 100 \times \frac{D_1 - D_2}{0.5(D_1 + D_2)} \times 1$$

D_1 and D_2 are the reported concentrations for sample duplicate analyses.

When measuring precision for organic analyses, the RPDs of the field duplicates are compared to established review criteria. The RPDs for field duplicates are compared to the acceptance criteria of 50% RPD for soil matrices and 30% RPD for water matrices (USEPA, 1988b). The criteria for RPDs for organic compounds in field duplicates did not apply in cases where: 1.) the results are non-detect and; 2.) the compounds detected are common lab contaminants. In cases where one organic result is non-detect, the CRL value was used to calculate the RPD. The acceptance criteria for inorganic analysis for field duplicate samples only applies to analytes that are greater than 5 times the CRL (USEPA, 1989b).

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Precision is also evaluated by comparison of MS and MSD results. The USEPA CLP control limits were used to evaluate duplicate precision between MS and MSDs. In cases where USEPA CLP control limits for spikes are not available, such for inorganics and various USEPA analytical methods, the control limits for field duplicates listed above were used as guidance.

A discussion of the RPDs for field duplicates is presented below in Section 4.1, and the RPDs for MS/MSDs are presented in Section 4.2.

D.4.1 OFF-SITE LABORATORY FIELD DUPLICATE RESULTS

Duplicate samples from AOCS 57, 63AX, and 69W at Fort Devens were collected to measure the sampling and analytical precision for analyses performed at the off-site laboratory. The duplicate samples were analyzed for the following Fort Devens PAL analytes: inorganics; VOCs; SVOCs; pesticide and PCBs. Aqueous field duplicate samples were also analyzed for various water quality parameters including hardness, alkalinity, sulfate, phosphate and nitrogen. Soil and sediment field duplicate samples were also analyzed for TOC and TPHC.

All field duplicate data collected during the Fort Devens Site Investigations are shown in Table D-19 and Table D-20. The RPD has been calculated for each pair of field duplicates collected during the 1995 Fort Devens Site Investigation, and the Round 2 Groundwater sampling event.

D.4.1.1 Inorganics

An analysis of the precision of the inorganic duplicate data was completed for each PAL element.

Groundwater, 1995 Field Investigation. The concentrations of inorganics in three groundwater samples and corresponding field duplicates were used to evaluate sampling and analytical precision for elements. One sample duplicate from each of the three AOCs (57, 63AX, and 69W) were collected. The RPDs of all inorganic groundwater concentrations for duplicates were below the USEPA Region I limits with the exception of iron. However, outlier RPDs for iron were only observed in one out of three sample duplicate pairs. Groundwater sample results for elements were not qualified based on duplicate results.

Groundwater, Round 2. The concentrations of inorganics in four filtered and unfiltered groundwater samples duplicate pairs were used to evaluate precision for elements. One sample duplicate pair from each of the three AOCs (57, 63AX, and 69W) and one additional sample duplicate pair from AOC 57 were collected. Elements for which at least one outlier RPD was observed are shown in the Table D-21. Outlier RPDs were observed for arsenic, iron, and barium ; however, the frequency at which an outlier RPD was observed was low. Groundwater data for these elements were not qualified based on duplicate precision results.

Surface Water. One surface water sample and duplicate were collected and evaluated for precision. The RPDs of all inorganic concentrations were within the

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USEPA Region I limits. Surface water sample results for inorganics were not qualified.

Soil. One sample duplicate pair from each of the three AOCs (57, 63AX, and 69W) were collected. Elements for which at least one outlier RPD was observed are shown in the Table D-22. Outlier RPDs were observed for arsenic and potassium; however, the frequency at which an outlier RPD was observed was low. Soil sample data for these elements were not qualified based on duplicate precision results.

Sediment. Two sediment sample duplicate pairs, one from AOC 57 and one from AOC 69W were collected and evaluated for precision. Elements for which the RPD was greater than the control limit 50% are shown in Table D-22. All outlier values were associated with sediment sample DX570300 from AOC 57. Based on the variability of results in this sediment sample, concentrations of mercury, manganese, sodium, and zinc in sediment samples from AOC 57 should be considered estimated.

D.4.1.2 VOCs

Duplicate VOC sample results were evaluated to assess the sampling and analytical precision.

Groundwater, 1995 Field Investigation. Three groundwater sample duplicate pairs, one from each AOC, were collected. The majority of target compounds were non-detects in both analyses. Compound RPDs were within the USEPA Region I guidelines with the exception of ethylbenzene. Ethylbenzene was

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detected in sample MDZX12X3 from AOC 69W at 6 $\mu\text{g/L}$; the corresponding sample duplicate MXZW12X3 was non-detect with a reporting limit of less than 0.5 $\mu\text{g/L}$. The resulting RPD was 169.2%. High RPDs are commonly reported for samples with results at or near the reporting limits as in sample MXZW12X3. In general, the duplicate data indicate that there was good precision of the aqueous VOC concentrations, and qualification of the data was not conducted.

Groundwater, Round 2. Three groundwater sample duplicate pairs, one from each AOC, and one additional duplicate pair from AOC 57 were collected. The majority of target compounds were non-detects in both analyses. Compound RPDs were within the USEPA Region I guidelines with the exception of toluene. Toluene was detected in sample MX5701X2 from AOC 57 at 1.2 $\mu\text{g/L}$; the corresponding sample duplicate MD5701X2 was non-detect with a reporting limit of less than 0.5 $\mu\text{g/L}$. The resulting RPD was 82.4%. High RPDs are commonly reported for samples with results at or near the reporting limits. In general, the field duplicate data indicate that there was good precision of the aqueous VOC concentrations and qualification of the data was not conducted.

Surface Water. The concentrations of one duplicate pair of surface water samples from AOC 57, WX5703XX, were assessed for precision. All surface water sample duplicate results were reported as non-detect indicating good precision for surface water VOC data.

Soil. One sample duplicate from AOCs 57, 63AX, and 69W was collected. The majority of target compounds were non-detects in both analyses. The RPDs for all duplicate groundwater results were below the USEPA Region I limits with the

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exception of toluene. The RPD for toluene in soil sample BXZW0100 from AOC 69W was 127.1%. Toluene results for sample BXZW0100 are considered estimated values. However, the frequency at which an outlier RPD was observed for toluene was only one out of three. Qualification of other sample results was not conducted based on duplicate results.

Sediment. Two sediment sample duplicate pairs, one from AOC 57 and one from AOC 69W, were collected. All VOC results for sediment samples and sample duplicates were reported as non-detect. VOC results in sediment samples were not qualified based on duplicate results.

D.4.1.3 SVOCs

Duplicate SVOC sample results were evaluated to assess sampling and analytical precision.

Groundwater, 1995 Field Investigation. Duplicates for one water sample from each AOC were collected. With the exception of phthalate esters, there were no target SVOCs detected in groundwater sample duplicate pairs indicating good agreement between results.

Groundwater, Round 2. Three groundwater sample duplicate pairs, one from each AOC, and one additional duplicate pair from AOC 57 were collected. The majority of target SVOCs were non-detects in both analyses. The RPDs of duplicate results were within the USEPA Region I guidelines with the exception of 1,3,5- trimethylbenzene. This compound was detected in sample MX5703X2 from AOC 57 at 30 µg/L, and the corresponding sample duplicate MD5703X2 at

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20 µg/L. Results of 1,3,5-trimethylbenzene in sample MX5703X2 is considered estimated. In general, the field duplicate data indicate that there was good precision of the aqueous SVOC concentrations and additional qualification of the data was not conducted.

Surface Water. One surface water sample from AOC 57 was collected. There were no target SVOCs detected in either sample indicating good agreement between the results.

Soil. Three duplicate soil samples, one from each AOC, were analyzed. The majority of target SVOCs were non-detect in both analyses. All RPDs were within USEPA limits.

Sediment. Two sediment samples, one from AOC 57 and one from AOC 69W, were analyzed in duplicate. For most target SVOCs concentrations were non-detect in both the sample and sample duplicate, and resulting in acceptable agreement between results. Target SVOCs detected include pyrene and fluoranthene. The sample duplicate RPDs for fluoranthene in sample DXZW0100 and pyrene in sample DXZW0100 were 66.7%, exceeding the precision control limit of 50%. Based on these results, concentrations of PAHs reported in sediment samples should be considered estimated values.

D.4.1.4 USEPA Methods

An analysis of duplicate results for a variety of water quality parameters obtained using standard USEPA methods was also conducted. Soil and sediment samples

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were also analyzed for TOC and TPHC. A discussion of precision between sample duplicates analyzed for these parameters is presented below.

Groundwater, 1995 Field Investigation. Three groundwater samples, representing one sample from each AOC, were collected. Hardness concentrations for groundwater sample MXAX03X1 and the sample duplicate MXAX03X1 from AOC 63AX were reported as 18,000 $\mu\text{g/L}$ and non-detect (less than 1000 $\mu\text{g/L}$). The RPD was 178.9%, exceeding the control limit of 30%. However the RPDs for the other two groundwater duplicate pairs ranged from 0% to 5.7% indicating excellent precision.

Additional parameters evaluated for precision in groundwater include alkalinity, sulfate, total phosphate, nitrate and nitrite-nitrogen, and nitrogen by the kjeldahl method. With the exception of nitrate and nitrite-nitrogen data, all results had RPDs within control limits. The RPD for nitrate and nitrite nitrogen in groundwater sample MXAX03X1 from AOC 63AX was 85.5%. However the RPDs for the other two groundwater duplicate pairs ranged from 9.2% to 26.1%, indicating acceptable precision. Based on these results, nitrate/nitrite concentrations from AOC 63AX groundwaters are considered estimated.

Overall, precision between groundwater samples for water quality parameters is considered acceptable, and additional qualification of the data was not conducted.

Groundwater, Round 2. Three groundwater duplicate samples, representing one sample from each AOC, and one additional sample from AOC 57 were collected. Hardness concentrations for groundwater sample MXAX04X2 and the sample duplicate MDAX04X2 from AOC 63AX were reported as 264,000 $\mu\text{g/L}$ and

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6,800 $\mu\text{g/L}$. The RPD was 190%, well above the RPD goal of 30%. Based on these results, hardness results for AOC 63AX are considered estimated. The RPDs for the three groundwater duplicate pairs ranged from 5.8% to 7.8% indicating excellent precision.

Additional parameters evaluated for precision in groundwater include alkalinity, sulfate, total phosphate, nitrate and nitrite-nitrogen, and nitrogen by the kjeldahl method. With the exception of nitrate and nitrite-nitrogen data, and total phosphate data all results had RPDs within control limits.

The RPD for nitrate and nitrite-nitrogen in sample MXAX04X2 and sample duplicate MDAX04X2 from AOC 63AX was 38.7%. The RPD in the sample duplicate pair MXZW11X4 and MDZW11X4 from AOC 69W was 198%, also exceeding the control limit. Based on these results nitrate/nitrite results are considered estimated values. However, the RPDs for the other two groundwater duplicate pairs ranged from 3.8% to 8.7%, indicating acceptable precision.

For total phosphate, two of the four sample duplicate pairs had outlier RPDs. The RPDs were 48.9% for sample duplicate pair MX5703X2 and MD5703X2 from AOC 57, and 52.2% for sample duplicate pair MXZW11X4 and MDZW11X4 from AOC 69W. Based on these results, phosphate results from AOC 57 and 69W are considered estimated values. The remaining two field duplicates analyzed for total phosphate had RPDs of 0% and 2.2% indicating acceptable precision.

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Surface water. One surface water field duplicate sample from AOC 57, WX5703XX, was collected. Precision criteria for sulfate and alkalinity in this surface water sample were acceptable. The control limit of 30% RPD was exceeded for hardness, total phosphate, and nitrogen by the kjeldahl method.

The results for kjeldahl nitrogen for the sample and duplicate were 1430 $\mu\text{g/L}$ and 229 $\mu\text{g/L}$. The RPD for these results was 144.8%. The results for total phosphate ranged from 24.8 $\mu\text{g/L}$ and 118 $\mu\text{g/L}$ between the sample and sample duplicate, with an RPD of 130.5%. The RPD for hardness was 32.5%. Positive results in surface water samples for nitrogen determined by the kjeldahl method, hardness, and total phosphate should be considered estimated.

Soil. One soil field duplicate sample from AOC 63AX (BXAX0410) was collected and analyzed for TOC. Three soil duplicate samples including BXAX0215 from AOC 63AX, sample BXZW0100 from AOC 69W, and sample EX570405 from AOC 57 were collected for TPHC (USEPA Method 9071/418.1). All RPDs for these parameters were within RPD goals demonstrating consistency for the method and matrix.

Sediment. Two sediment sample duplicate pairs, DXZW0100 and DDZW0100 from AOC 69W, and DX570300 and DD570300 from AOC 57, were evaluated for precision of TOC and TPHC data.

The TOC results for the sediment sample and duplicate from AOC 69W were 12,400 $\mu\text{g/g}$ and 7,420 $\mu\text{g/g}$. The RPD of these results is 50.5%, slightly above the 50% RPD limit. The TPHC results (USEPA method 9071/418.1) for this sample duplicate pair were 896 $\mu\text{g/g}$ and 360 $\mu\text{g/g}$, with an RPD of 85.4%. Based

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on these duplicate results, TPH results for all AOC 69W sediments should be considered estimated values. The RPDs for TOC and TPHC in the sediment sample from AOC 57 were within RPD goals and results for AOC 57 sediments were not qualified.

D.4.2 OFF-SITE LABORATORY SPIKE DUPLICATE RESULTS

All matrix spike duplicate data and the corresponding RPDs for the 1995 Fort Devens Site Investigation and Round 2 Groundwater sampling event are presented in Table D-10 and Table D-11. The RPDs for spike duplicates were calculated for TPH, TOC, inorganics, and pesticide/PCBs and compared to the USEPA CLP control limits (USEPA, 1988a) to determine precision of analysis. Samples with RPDs for spike samples outside control limits are discussed below.

D.4.2.1 Inorganics

Elements were spiked into groundwater, surface water, soil and sediment samples to evaluate precision. The USEPA CLP guidelines do not specify limits for spike RPDs for elements. As a result, the RPD limits for laboratory duplicates of 25% in water samples and 35% in soil samples specified in the USEPA Region I Guidelines (USEPA, 1989b) were used as guidance.

Groundwater, 1995 Field Investigation. Two groundwater samples from AOC 57, MX5701X1 and MX5705X1, and one groundwater sample from AOC 69W MXZW10X3 were evaluated for precision based on spiked samples. Both filtered

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and unfiltered samples were included in this evaluation. The percent recoveries of iron for spike duplicates in sample MXZW10X3 were 105.0% and 55.5%, with and RPD of 62%. Iron results for groundwater from AOC 69W are considered estimated. The RPDs for all other elements in spiked groundwater samples were within EPA limits.

Groundwater, Round 2. Three groundwater MS/MSD samples, one from each AOC, and one additional sample for AOC 69W were evaluated for precision based on spiked samples. Both filtered and unfiltered samples were included in this evaluation. The RPDs for all elements in spiked groundwater samples were acceptable indicating excellent method performance.

Surface water. Filtered and unfiltered fractions of surface water sample WX5705XX from AOC 57 were assessed for spike duplicate precision. The RPDs for all elements were within USEPA limits.

D.4.2.2 Pesticides/PCBs

Pesticide and PCB compounds were spiked in duplicate into groundwater, surface water, soil and sediment samples to evaluate precision. Nine target pesticide and two PCB compounds were used including endosulfan I, endosulfan II, aldrin, dieldrin, endrin, heptachlor, isodrin, lindane, methoxychlor, 4,4'-DDT, aroclor 1016, and aroclor 1260. The USEPA CLP control limits for pesticide compounds used in the CLP methods are shown in Table D-23. The USEPA CLP guidelines do not specify limits for spike RPDs for endosulfan I, endosulfan II, isodrin, and PCBs. For these compounds, the RPD control limits for field duplicates of 30%

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in water samples and 50% in soil samples specified in the Region 1 USEPA guidelines (USEPA, 1988b) were used.

Groundwater, 1995 Field Investigation. Three groundwater samples, MX5701X1, MXAX02X1, and MXZW10X3, from AOC 57, 63AX and 69W, respectively, were spiked with target pesticides and PCBs. For the CLP spike compounds only aldrin and lindane in the groundwater sample from AOC 69W exceeded the USEPA control limits. The RPD for lindane was 15.3% and aldrin was 32.5%. All other pesticides and PCBs had spike RPDs less than 30% with the exception of methoxychlor in sample MXZW10X3 from AOC 69W. The RPD for methoxychlor (34.3%) was only slightly above the USEPA duplicate RPD limit. These compounds were not detected in any groundwater samples and no qualification of results was conducted.

Groundwater, Round 2. Three groundwater samples, MXG302X2, MXAX03X2, and MXZW12X4, from AOC 57, 63AX and 69W, respectively, were spiked with target pesticides and PCBs. The RPDs for spiked PCBs in all three groundwater sample were within USEPA duplicate limits. For pesticides, eight out of the ten spiked compounds had RPD exceedances in groundwater samples from AOC 57 and 69W. Based on frequency of RPD exceedances for pesticides in samples MXG302X2 and MXZW12X4, positive results reported in samples from AOCs 57 and 69W should be considered estimated. The only positive detections were low concentrations of endosulfan II in sample EX5706X1 and heptachlor epoxide and gamma-chlordane in MXZW10X4. These concentrations are considered estimated. The RPDs for pesticides in sample MXAX03X2 from AOC 63W

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ranged from 2.2% to 5.8% indicating excellent precision for this sample.

Qualification of the data from AOC 63 AX was not conducted.

Surface water. One surface water spiked sample, WX5705XX, from AOC 57 was evaluated for precision. All RPDs for this sample were within RPD limits indicating good method performance and sampling precision.

Soil. The RPDs of four spiked soil samples from AOC 57 (EX570506, EX571502, EX572500, BX570319) were used to evaluate precision. The RPDs for these samples were within RPD limits indicating acceptable method performance and sampling precision.

Sediment. The RPDs from two spiked sediment samples were used to evaluate precision. These samples include DX570500 from AOC 57 and DXZW0200 from AOC 69W. The RPDs for all pesticide and PCBs were within RPD limits with the exception of aroclor 1260. The RPD for aroclor 1260 was 50.8%, which is only slightly above the control duplicate control limit of 50%. Overall, pesticide and PCB results for precision in sediment are acceptable and qualification of the data was not conducted.

D.4.2.3 USEPA Methods

Precision for spiked samples was also evaluated for various water quality parameters including hardness, alkalinity, total phosphate, sulfate, nitrate and nitrite-nitrogen, and kjeldahl-nitrogen in water samples, and TPH and TOC in soil and sediment samples. USEPA CLP guidelines for evaluating spike duplicate RPDs are not available. The USEPA Region I control limits for field duplicates

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30% in water and 50% in soil were used to compare RPDs between spiked samples.

Groundwater, 1995 Field Investigation. Several groundwater samples were spiked in duplicate for the water quality parameters listed above to evaluate precision. All RPDs between the MS and MSDs were less than the 30% control limit indicating excellent method performance. The RPDs for hardness for both the filtered and unfiltered fraction in sample MXAX03X2 were reported as 139.2%. However, evaluation of the raw data indicated the calculation of RPDs was erroneous, and the actual RPDs ranged from 1% to 29.9%. Based on the MS/MSD results, qualification of water quality data is not required.

Groundwater, Round 2. Several groundwater samples were spiked in duplicate for the water quality parameters listed above to evaluate precision. All RPDs between the MS and MSDs were less than the 30% control limit with the exception of hardness in sample MXAX03X2 from AOC 63AX. The spiked sample concentrations for hardness in this sample and the sample duplicate were 4000 µg/L and 1000 µg/L, with an RPD of 120%. Based on these results hardness in samples from AOC 63AX are considered estimated values. The RPDs for hardness in the three other groundwater samples ranged from 0% to 2.4% indicating excellent method performance. The frequency of outlier RPDs for hardness was low so qualification of the data was not required.

Surface water. Two surface water samples from AOC 57 including WX5703XX, and WX5705XX were spiked in duplicate for the water quality parameters listed

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above to evaluate precision. All RPDs between the MS and MSDs were less than the 30% control limit indicating acceptable method performance.

Soil. Soil samples from AOC 57 (EX570506, EX571502) were spiked in duplicate for TOC and TPHC (USEPA Modified Method 8015) to evaluate precision. Samples BX570122, BX570615 from AOC 57, and BXZW1607 from AOC 69W were also spiked in duplicate for TOC. All RPDs between the MS and MSDs were less than the 50% RPD limit indicating acceptable method performance.

Sediment. Sediment samples from AOC 57 (DX570500) and AOC 69W (DXZW0200) were spiked in duplicate for TOC, TPH as gasoline and diesel fuel (USEPA Method 8015) and TPHC (USEPA Method 9071/418.1) to evaluate precision.

Sample DX570900 from AOC 57 was spiked in duplicate for TOC and the results were 54.0 µg/g and 0.9 µg/g. An RPD of 193.5% was calculated for these TOC results, exceeding the 50% control limit. This sample had high concentrations of TOC relative to spike concentrations and no actions were taken based on these RPDs. The two additional TOC duplicate sample pairs had RPDs of 30% and 50.2%.

The RPDs of sediment samples for TPHC as gasoline and diesel fuel exceeded the 50% control limits in one of the two spiked sample pairs. These outlier RPDs were from sample DX570500 and ranged from 54.8% (TPH as gasoline) to 63.7% (TPH as diesel fuel). However, RPDs for the second sediment duplicate pair were 8.2% (TPH as diesel) and 0% (TPH as gasoline) indicating excellent

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agreement between results. Based on duplicate spike data, TPH results for sediment samples overall are acceptable and do not require qualification.

The RPDs for spiked sediment samples for TPHC by USEPA Method 9071/418.1 exceeded the control limit in one of the two sample pairs. An outlier RPD of 169% was observed for sample DX570500. However, the RPD for the second sediment duplicate pair was 0% indicating excellent agreement between results. Based on duplicate spike data, TPHC (USEPA Method 9071/418.1) results for sediment samples were not qualified.

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D.5.0 COMPARISON OF OFF-SITE AND ON-SITE ANALYTICAL RESULTS

This section discusses the results of a comparison of data generated from chemical analyses performed on soil samples collected during the 1995 AOC 57, 63AX, and 69W Remedial Investigations at Fort Devens, Massachusetts. A total of 36 split samples were collected between September 12, 1995 through October 2, 1995. The soil samples were split in the field and submitted for on-site and off-site volatile analysis and petroleum hydrocarbons. The purpose of collection of the split samples is to provide a comparison of the on-site data with the associated off-site data, in order to evaluate data quality and establish the on-site results as screening data with definitive confirmation (USEPA, 1993).

D.5.1 ANALYTICAL METHODOLOGIES

The analytical methods used on-site were purge and trap gas chromatography (GC) analyses for volatile organic compounds (VOCs) in soil using a flame ionization detector (FID) for benzene, toluene, ethylbenzene, m/p-xylene, and o-xylene (BTEX), and chlorobenzene, and chlorinated VOCs using an electron capture detector (ECD) for 1,1-dichloroethene, trichloroethene, tetrachloroethene; 1,1,1-trichloroethane, carbon tetrachloride, and chloroform. The purge and trap GC field screening also provides an estimate of the concentration of non-target fuel hydrocarbons, or total petroleum hydrocarbons (TPH). The TPH concentration represents an estimate of total hydrocarbons present that are detected by the FID. The TPH analysis is reported as the total TPH response of peaks associated with the calibration of the FID with a JP-4 standard. The TPH

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data are the primary means of identifying volatile fuel-related contamination in highly contaminated samples.

Soil samples were also analyzed at the on-site laboratory for semivolatile total petroleum hydrocarbons (TPH) using modified USEPA Method 3500 followed by analysis using USEPA Method 418.1.

The on-site field screening target compound data were evaluated using the USAEC off-site analytical GC/mass spectrometry (MS) method for VOCs. As discussed in Section D-2, this method is based on USEPA Method 8260 with subsequent certification by USAEC. Off-site TPH results were generated using USEPA Method 9071 to extract samples followed by analysis using USEPA Method 418.1 (USEPA, 1983; USEPA, 1986).

D.5.3 PROGRAM OBJECTIVES

The objectives of the on-site soil field screening analytical program were to evaluate the downgradient, lateral, and vertical distribution of contamination in overburden soil, and identify critical samples for off-site laboratory analysis. For the purpose of this on-site/off-site data comparison action levels to evaluate the data sets were based on Category S-1 soils cleanup criteria outlined in the Massachusetts Contingency Plan (MCP) (MADEP, 1995). A summary of target compound action levels for each target compound evaluated using the on-site methods is outlined below:

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	<u>Action Level ($\mu\text{g/g}$)</u>
Benzene	10
Toluene	90
Ethylbenzene	80
Total Xylenes	500
1,1-Dichloroethene	0.3
Chloroform	0.1
1,1,1-Trichloroethane	30
Carbon Tetrachloride	1
Trichloroethene	0.4
Tetrachloroethene	0.5
TPH	500

D.5.4 DATA COMPARISON AND EVALUATION

Comparability of the data was evaluated using two separate comparisons outlined in Section 4.6 of the POP (ABB-ES, 1995). The first comparison evaluates agreement based on detection of analytes relative to action levels. The second comparison evaluates data based on relative percent differences (RPDs) between split samples. Results of the on-site/off-site analyses are summarized on Table D-24.

D.5.4.1 Comparison 1

In this comparison on-site and off-site results were organized into one of the four categories described below:

1. Both on-site and off-site analyses had the target compounds detected/non-detected at concentrations less than the action levels.

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2. Both on-site and off-site analyses had the target analytes detected at concentrations greater than action levels.
3. The target compounds were reported above action levels for on-site and the off-site data results were less than action levels.
4. The target compounds were reported above the action level off-site and the on-site results were less than the action levels.

A primary assumption of the comparison was that the off-site data represented the accurate definitive data when comparing results. Sample data which fall within categories 1 and 2 represent agreement between on-site and off-site analytical results. Sample data in category 3 suggested a high bias in the on-site results. Sample data in category 4 suggest a low bias in on-site results. The analytical goal of the program was to have over 95 percent of the results fall into categories 1, 2 and 3.

The detection of target VOCs by the on-site laboratory relative to action levels was confirmed by the off-site laboratory. The majority of the soil samples fell within Category 1. One exception was the split sample result for EX570704 and EF570704, where one target compound (1,1-dichloroethene) fell into Category 3. This sample was analyzed at a 145X dilution and the 1,1-dichloroethene detection was identified as possible laboratory contamination at the time of analysis in the field. 1,1-Dichloroethene contamination was not observed in other field screening samples and no trend is apparent. The off-site results confirm that the on-site 1,1-dichloroethene detection was a false positive. Overall, these results

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indicate good comparison of on-site and off-site results for volatile organic compounds, and that the goals of the field program for usability of on-site results were met.

The results of all split sample analysis fell into Category 1 and Category 2 indicating complete agreement for the on-site and off-site analyses relative to action levels for fuel hydrocarbons. These data indicate that the on-site data are adequate for the evaluation of the distribution of hydrocarbons at the 500 $\mu\text{g/g}$ action levels.

D.5.4.2 Comparison 2

For the second comparison, relative percent difference (RPD) values were calculated for associated on-site/off-site surface soil samples. Calculation of RPD is outlined in the POP (ABB-ES, 1995). RPD values were compared to USEPA Region I duplicate criteria of 50%.

VOCs

The majority of results were non-detects in both the on-site and off-site laboratory indicating consistent agreement with the absence of contamination for VOCs. RPDs for the majority of samples with VOCs detected exceeded the 50 RPD project goal. In many of the samples low concentrations of VOCs were reported at, or near, the reporting limit of the other split sample. Examples of this can be seen in samples BX570515, EX570200, EX571000, and EX571700. Detection limits for soils are in the low part per billion range and lack of quantitative agreement at these low concentrations are not interpreted to impact use of field

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screening results. In some samples, concentrations of VOCs reported for the on-site screening analysis was much greater than concentrations reported in the off-site analysis. Example of these results can be seen in samples EX570704, EX570502, and RXZW3006. Affected compounds include BTEX and chlorobenzene. These results indicate high bias of on-site results by as much as two of three orders of magnitude, and the possibility of false positive reporting of additional target analytes. In all the above samples high concentrations of TPH was detected indicating the presence of fuel contamination at the sample location. The on-site method for BTEX and chlorobenzene utilized a single column GC/PID analysis for BTEX and chlorobenzene with no second column confirmation. It is highly likely that BTEX concentrations were over estimated due to interference from non-target fuel hydrocarbons. False positive identification of chlorobenzene may also have occurred due to interference with non-target fuel hydrocarbons. The off-site analysis was conducted using GC/MS confirmation of target analytes so interference from non-target hydrocarbon would not result in quantitative interferences or false positive identification of compounds.

It is important to note that evidence had also been published indicating the possibility of low bias off-site results due to loss of VOCs during sample collection and handling using bulk sampling procedures (Liikala, 1995). It is possible that concentrations reported at the on-site laboratory may be more representative of actual site conditions. However, for the purpose of this comparison, on-site results are considered potentially biased high.

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TPH

In the majority of samples TPH was reported as a non-detect in both samples. RPDs of samples with detected TPH ranged from 7% to 200% with the majority of RPDs outside the 50% project goal. There was good correlation of split sample results relative to general concentrations reported. In all samples with detects reported, concentrations trends between high and low values agreed well. These results indicate that TPH data are adequate for determination of presence and absence of fuel contamination and the determination of the relative concentrations of contamination at the sites, however, reported concentrations should be considered estimated values.

D.5.5 CONCLUSIONS

There was a strong qualitative and quantitative correlation between the on-site and off-site laboratories. The goal of 95 percent of on-site/off-site data characterized by conditions specified in categories 1, 2 or 3 was achieved (ABB-ES, 1995), based on results presented in Comparison 1. The comparison results indicate that screening results provided adequate data to identify the presence or absence of contamination at action levels based on MCP Category S-1 soil cleanup criteria (MADEP, 1995).

Comparison 2 reviewed RPD results. An evaluation of RPDs indicates low concentrations of VOCs at, or near, the on-site laboratory reporting limits should be considered estimated values. Results for on-site analyses for the VOC target

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compounds BTEX and chlorobenzene at sample locations containing fuel contamination may be biased high and contain possible false positive identifications for these compounds. Bias is possibly a result of interferences with fuel-related compounds and limitations of the GC/PID used at the on-site laboratory. Off-site data generated using GC/MS analyses should be used to confirm the detections and concentration ranges of these compounds. The TPH results are adequate for qualitative and semi-quantitative uses, but reported concentrations should be considered estimated.

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TABLE D-1
SUMMARY OF ANALYTICAL PARAMETERS

AOC 57, 63AX, AND 69W REMEDIAL INVESTIGATION
FORT DEVENS, MASSACHUSETTS

PARAMETER	MATRIX (SOIL/WATER)	USAEC METHOD NUMBER	EQUIVALENT USEPA METHOD NUMBER	METHOD DESCRIPTION	LABORATORY/ ARMY-CERTIFIED REPORTING LIMIT
pH	Water	No Certified Method	150.1	Measured in Field	N/A
Temperature	Water	No Certified Method	170.1	Measured in Field	N/A
Turbidity	Water	No Certified Method	180.1	Measured in Field	N/A
Conductivity	Water	No Certified Method	120.1	Measured in Field Electrode	N/A
RedOX	Water	No Certified Method	SM 2580b	Measured in Field	N/A
Total Suspended Solids	Water	No Certified Method	160.2	Gravimetric	4000 µg/L
Total Dissolved Solids	Water	No Certified Method	160.1	Gravimetric	10,000 µg/L
Alkalinity	Water	No Certified Method	301.0	Titrimetric	5000 µg/L
Total Organic Carbon	Soil	No Certified Method	SW 9060	Infrared	360 µg/g
	Water	No Certified Method	SW 9060	Infrared	1000 µg/L
Nitrate/Nitrite	Water	TF22	351.2	Colorimetric	10 µg/L
Hardness	Water	N/A	130.2 or SM2340B	Titration or Calculation	1000 µg/L
Anions	Water	TT10	300.0	Ion Chromatography (Chloride, sulfate)	Chloride - 2,120 µg/L Sulfate - 10,000 µg/L
	Water	TF27	365.2	Colorimetric Total Phosphorous	Phosphate - 13.3 µg/L
TKN (Kjeldahl)	Water	No Certified Method	351.2	Calorimetric	183 µg/L
Carbonate/ Bicarbonate	Water	No Certified Method	310.1	Titrimetric	N/A
Total Petroleum Hydrocarbons	Water	No Certified Method	418.1	Infrared	100 µg/L
	Soil	No Certified Method	SW 9071/ 418.1	Infrared	21 µg/g
Aluminum	Water	SS10	200.7	ICP	141 µg/L
	Soil	JS16	SW 6010	ICP	14.1 µg/g

continued

TABLE D-1
SUMMARY OF ANALYTICAL PARAMETERS

AOC 57, 63AX, AND 69W REMEDIAL INVESTIGATION
FORT DEVENS, MASSACHUSETTS

PARAMETER	MATRIX (SOIL/WATER)	USAEC METHOD NUMBER	EQUIVALENT USEPA METHOD NUMBER	METHOD DESCRIPTION	LABORATORY/ ARMY-CERTIFIED REPORTING LIMIT
Antimony	Soil	JS16	SW 6010	ICP	3.8 µg/g
	Water	SD28	-	GFAA	3.03 µg/L
	Soil	JD25	-	GFAA	1.09 µg/g
Arsenic	Water	SD22	206.2	GFAA	2.54 µg/L
	Soil	JD19	SW 7060	GFAA	0.25 µg/g
Barium	Water	SS10	200.7	ICP	5.0 µg/L
	Soil	JS16	SW 6010	ICP	29.6 µg/g
Beryllium	Water	SS10	200.7	ICP	5.0 µg/L
	Soil	JS16	SW 6010	ICP	1.86 µg/g
Cadmium	Water	SS10	200.7	ICP	4.01 µg/L
	Soil	JS16	SW 6010	ICP	3.05 µg/g
Calcium	Water	SS10	200.7	ICP	500 µg/L
	Soil	JS16	SW 6010	ICP	59.0 µg/g
Chromium	Water	SS10	200.7	ICP	6.02 µg/L
	Soil	JS16	SW 6010	ICP	12.7 µg/g
Cobalt	Water	SS10	200.7	ICP	25 µg/L
	Soil	JS16	SW 6010	ICP	15.0 µg/g
Copper	Water	SS10	200.7	ICP	8.09 µg/L
	Soil	JS16	SW 6010	ICP	58.6 µg/g
Iron	Water	SS10	200.7	ICP	42.7 µg/L
	Soil	JS16	SW 6010	ICP	50.0 µg/g
Lead	Soil	JS16	SW 6010	ICP	6.62 µg/g
	Soil	JD17	SW 7421	GFAA	0.177 µg/g
	Water	SD20	239.2	GFAA	1.26 µg/L

continued

TABLE D-1
SUMMARY OF ANALYTICAL PARAMETERS

AOC 57, 63AX, AND 69W REMEDIAL INVESTIGATION
FORT DEVENS, MASSACHUSETTS

PARAMETER	MATRIX (SOIL/WATER)	USAEC METHOD NUMBER	EQUIVALENT USEPA METHOD NUMBER	METHOD DESCRIPTION	LABORATORY/ ARMY-CERTIFIED REPORTING LIMIT
Magnesium	Water	SS10	200.7	ICP	500 µg/L
	Soil	JS16	SW 6010	ICP	50.0 µg/g
Manganese	Water	SS10	200.7	ICP	2.75 µg/L
	Soil	JS16	SW 6010	ICP	0.275 µg/g
Mercury	Water	SB01	245.1	CVAA	0.243 µg/L
	Soil	JB01	SW 7471	CVAA	0.05 µg/g
Nickel	Water	SS10	200.7	ICP	34.3 µg/L
	Soil	JS16	SW 6010	ICP	12.6 µg/g
Potassium	Water	SS10	200.7	ICP	375 µg/L
	Soil	JS16	SW 6010	ICP	37.5 µg/g
Selenium	Water	SD21	270.2	GFAA	3.02 µg/L
	Soil	JD15	SW7740	GFAA	0.25 µg/g
Silver	Water	SD23	272.2	GFAA	0.25 µg/L
	Soil	JD18	SW 7761	GFAA	.025 µg/g
Sodium	Water	SS10	200.7	ICP	4.6 µg/L
	Soil	JS16	SW 6010	ICP	2.5 µg/g
	Water	SS10	200.7	ICP	500 µg/L
	Soil	JS16	SW 6010	ICP	150 µg/g
Thallium	Water	SD09	279.2	GFAA	6.99 µg/L
	Soil	JD24	SW846 7841	GFAA	0.5 µg/g
Vanadium	Water	SS10	200.7	ICP	11.0 µg/L
	Soil	JS16	SW 6010	ICP	13 µg/g
Zinc	Water	SS10	200.7	ICP	21.1 µg/L
	Soil	JS16	SW 6010	ICP	30.2 µg/g
Semivolatile Organic Compounds	Water	UM18	625	Extraction,GC/MS	See POP
	Soil	LM18	SW 8270	Extraction,GC/MS	See POP

continued

TABLE D-1
SUMMARY OF ANALYTICAL PARAMETERS

AOC 57, 63AX, AND 69W REMEDIAL INVESTIGATION
FORT DEVENS, MASSACHUSETTS

PARAMETER	MATRIX (SOIL/WATER)	USAEC METHOD NUMBER	EQUIVALENT USEPA METHOD NUMBER	METHOD DESCRIPTION	LABORATORY/ ARMY-CERTIFIED REPORTING LIMIT
Volatile Organic Compound	Water	UM20	624	Purge and Trap, GC/MS	See POP
	Soil	LM19	SW 8240	Purge and Trap, GC/MS	See POP
Pesticides/PCBs	Water	UH13	608	Extraction, GC	See POP
	Soil	LH10	SW 8080	Extraction, GC-EC	See POP
GRO	Water	No Certified Method	Modified 8015	GC/FID	400 µg/L
	Soil	No Certified Method	Modified 8015	GC/FID	8 µg/g
DRO	Soil	No Certified Method	Modified 8015	GC/FID	8 µg/g

Notes:

POP = Project Operations Plan; Fort Devens, Massachusetts, Data Item A004/A006; U.S. Army Environmental Center; Aberdeen Proving Ground, Maryland; May 1995.
 SW = EPA "Test Methods for Evaluating Solid Wastes", SW-846, September 1986
 GRO = Gasoline Range Organics
 DRO = Diesel Range Organics

Source: ESE, 1991.

TABLE D-2
ELEMENTS DETECTED IN SOIL METHOD BLANKS

**1995 AOC 57, 63AX, AND 69W REMEDIAL INVESTIGATION
FORT DEVENS, MASSACHUSETTS**

ELEMENT	FREQUENCY OF DETECTION	CONCENTRATION RANGE ($\mu\text{g/g}$)	CRL ($\mu\text{g/g}$)
Aluminum	3/3	482 - 520	14.1
Barium	3/3	8.73 - 9.51	29.6
Calcium	3/3	235 - 269	59.0
Copper	1/3	1.01	58.6
Iron	3/3	955 - 1030	50.0
Lead ¹	3/3	0.756 - 0.816	
Potassium	3/3	179 - 198	37.5
Magnesium	3/3	130 - 150	50.0
Manganese	3/3	21 - 28.9	0.275

¹ = Results from GFAA. Lead was also analyzed by ICP but all results were below the CRLs.

TABLE D-3
VOCs DETECTED IN METHOD BLANKS FOR WATER

1995 AOC 57, 63AX, AND 69 W REMEDIAL INVESTIGATION
FORT DEVENS, MASSACHUSETTS

COMPOUND	FREQUENCY OF DETECTION	CONCENTRATION RANGE ($\mu\text{g/L}$)	CRL ($\mu\text{g/L}$)
Acetone ¹	1/7	17	13
Methylene Chloride ¹	1/7	5.7	2.3
Chloroform ¹	1/7	2.1	0.5

¹ = Data from method blanks analyzed during the 1995 Field Investigation.

TABLE D-4
SVOCs DETECTED IN WATER METHOD BLANKS

1995 AOC 57, 63AX, 69W REMEDIAL INVESTIGATION
FORT DEVENS, MASSACHUSETTS

COMPOUND	FREQUENCY OF DETECTION	CONCENTRATION RANGE ($\mu\text{g/L}$)	CRL ($\mu\text{g/L}$)
Target SVOCs			
Diethyl phthalate ¹	1/5	2.2	2
bis(2-ethylhexyl)phthalate ²	1/3	400	4.8
SVOC TICs			
Dioctyl adipate ¹	1/5	20	Not determined
Toluene ¹	1/5	3	Not determined

¹ = Detected in method blanks analyzed during the 1995 Field Investigation.

² = Detected in method blanks analyzed during the 1996 Round 2 Groundwater sampling event.

TABLE D-5
SVOCs DETECTED IN METHOD BLANKS FOR SOIL

1995 AOC 57, 63AX, 69W REMEDIAL INVESTIGATION
FORT DEVENS, MASSACHUSETTS

COMPOUND	FREQUENCY OF DETECTION	CONCENTRATION RANGE ($\mu\text{g/g}$)	CRL ($\mu\text{g/g}$)
Target SVOCs			
di-n-butyl phthalate ¹	1/12	0.08	0.061
SVOC TICs			
nonacosane ¹	1/12	0.3	Not determined

¹ = Detected in method blanks analyzed during the 1995 field investigation.

TABLE D-6
- ELEMENTS DETECTED IN RINSE BLANKS

1995 AOC 57, 63AX, 69W REMEDIAL INVESTIGATION
FORT DEVENS, MASSACHUSETTS

ELEMENT	FREQUENCY OF DETECTION	CONCENTRATION RANGE ($\mu\text{g/L}$)	CRL ($\mu\text{g/L}$)
Mercury	2/6	0.242 - 0.463	0.243
Lead ¹	1/6	1.63	1.37
Iron	4/6	70.5 - 543	38.8
Potassium	1/6	755	375
Manganese	1/6	3.6	2.75

¹ = Lead analyzed by graphite furnace atomic adsorption

TABLE D-7
VOCs DETECTED IN RINSE BLANKS

1995 AOC 57, 63AX, 69W REMEDIAL INVESTIGATION
FORT DEVENS, MASSACHUSETTS

COMPOUND	FREQUENCY OF DETECTION	CONCENTRATION	CRL ($\mu\text{g/L}$)
		RANGE ($\mu\text{g/L}$)	
1,1,1-Trichloroethane	5/6	1.2 - 2.4	0.5
Acetone	2/6	18	13
Carbon Tetrachloride	1/6	1.2	0.58
Chloroform	3/6	0.59 - 1.7	0.5
Methylene Chloride	5/6	4 - 9.3	2.3

TABLE D-8
SVOCs DETECTED IN RINSE BLANKS

1995 AOC 57, 63AX, 69W REMEDIAL INVESTIGATION
FORT DEVENS, MASSACHUSETTS

COMPOUND	FREQUENCY OF DETECTION	CONCENTRATION RANGE ($\mu\text{g/L}$)	CRL ($\mu\text{g/L}$)
Target SVOCs			
Bis (2-ethylhexyl) phthalate	4/6	6.1 to 14	4.8
Benzyl alcohol	1/6	7.4	0.72
SVOC TICs			
N,N-diethyl-3-methylbenzamide	1/6	9	Not Determined
benzyl adipate	1/6	40	Not Determined
unknown non-target SVOCs	1/6 to 3/6	4 - 10	Not Determined

TABLE D-9
VOCs DETECTED IN TRIP BLANKS

1995 AOC 57, 63AX, 69W REMEDIAL INVESTIGATION
FORT DEVENS, MASSACHUSETTS

COMPOUND	FREQUENCY OF DETECTION	CONCENTRATION RANGE ($\mu\text{g/L}$)	CRL ($\mu\text{g/L}$)
Target VOCs			
Carbon Tetrachloride ¹	1/16	2.3	0.58
Tetrachloroethene ¹	1/16	3.4	1.6
Chloroform ¹	1/6	3.5	0.5
Methylene Chloride ¹	9/16	2.5 - 5.6	2.3
Methylene Chloride ²	1/2	2.7	2.3
Acetone ²	1/2	14	13
VOC TICs			
Hexane ¹	1/16	6	Not Determined

¹ = Detected in trip blanks analyzed during the 1995 Field Investigation.

² = Detected in trip blanks analyzed during the 1996 Round 2 Groundwater sampling event.

TABLE D-10

MS/MSD

[illegible]

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

MS/MSD

Method Description	IRMIS Method Code	Test Name	IRMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value <	Original Sample Value	Percent Recovery	RPD
HARDNESS	1302	HARD	MXG302X1	DV4W*163	RJNW	31-OCT-95	09-NOV-95	80000	84000	20000	105.0	2.4
HARDNESS	1302	HARD	MXG302X1	DV4W*163	RJNW	31-OCT-95	09-NOV-95	80000	82000	20000	102.5	2.4
HARDNESS	1302	HARD	MXS701X1	DV4W*167	RJNW	30-OCT-95	09-NOV-95	80000	28000	14000	35.0	0.0
HARDNESS	1302	HARD	MXS701X1	DV4W*167	RJNW	30-OCT-95	09-NOV-95	80000	28000	14000	35.0	0.0
HARDNESS	1302	HARD	MXS705XX	DV4W*204	RJNV	13-SEP-95	26-SEP-95	200000	202000	106000	101.0	1.5
HARDNESS	1302	HARD	MXS705XX	DV4W*204	RJNV	13-SEP-95	26-SEP-95	200000	199000	106000	99.5	1.5
HARDNESS	1302	HARD	MXAX02X1	DV4W*233	RJNW	31-OCT-95	09-NOV-95	80000	4000	14000	5.0	120.0
HARDNESS	1302	HARD	MXAX02X1	DV4W*233	RJNW	31-OCT-95	09-NOV-95	80000	1000	14000	1.3	120.0
HARDNESS	1302	HARD	MXZW10X3	DV4W*271	RJNW	02-NOV-95	09-NOV-95	80000	1000	24000	1.3	0.0
HARDNESS	1302	HARD	MXZW10X3	DV4W*271	RJNW	02-NOV-95	09-NOV-95	80000	1000	24000	1.3	0.0

avg											48.7	
minimum											1.3	
maximum											105.0	
ALCALINITY	3101	ALK	MXS707X1	DV4W*179	RJLW	31-OCT-95	09-NOV-95	118000	114000	7000	96.6	.9
ALCALINITY	3101	ALK	MXS707X1	DV4W*179	RJLW	31-OCT-95	09-NOV-95	118000	113000	7000	95.8	.9
ALCALINITY	3101	ALK	MXS704B1	DV4W*185	RJOW	01-NOV-95	13-NOV-95	118	116000	18000	98305.1	.9
ALCALINITY	3101	ALK	MXS704B1	DV4W*185	RJOW	01-NOV-95	13-NOV-95	118	115000	18000	97457.6	.9
ALCALINITY	3101	ALK	MXS703XX	DV4W*202	RJGU	13-SEP-95	22-SEP-95	118000	125000	34000	105.9	2.4
ALCALINITY	3101	ALK	MXS703XX	DV4W*202	RJGU	13-SEP-95	22-SEP-95	118000	122000	34000	103.4	2.4
ALCALINITY	3101	ALK	MXZW14X3	DV4W*279	RJOW	03-NOV-95	13-NOV-95	118	116000	27000	100000.0	1.7
ALCALINITY	3101	ALK	MXZW14X3	DV4W*279	RJOW	03-NOV-95	13-NOV-95	118	116000	27000	98305.1	1.7
ALCALINITY	3101	ALK	MDG307X1	DV4W*448	RJLW	31-OCT-95	09-NOV-95	118000	122000	13000	103.4	2.5
ALCALINITY	3101	ALK	MDG307X1	DV4W*448	RJLW	31-OCT-95	09-NOV-95	118000	119000	13000	100.8	2.5

avg											39467.4	
minimum											95.8	
maximum											100000.0	
DIESEL	8015	DIESEL	EXS70506	DV4S*105	QBAK	19-SEP-95	16-OCT-95	410	400	8	97.6	.3
DIESEL	8015	DIESEL	EXS70506	DV4S*105	QBAK	19-SEP-95	16-OCT-95	410	399	8	97.3	.3
DIESEL	8015	DIESEL	EXS71502	DV4S*115	QEBK	21-SEP-95	27-OCT-95	531	582	8	109.6	8.0
DIESEL	8015	DIESEL	EXS71502	DV4S*115	QEBK	21-SEP-95	27-OCT-95	531	537	8	101.1	8.0
DIESEL	8015	DIESEL	DXS70500	DV4S*191	QEXJ	13-SEP-95	20-SEP-95	919	1580	52.5	171.9	63.7

MS/MSD

[illegible]

MS/MSD

[illegible]

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

MS/MSD

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value <	Original Sample Value	Percent Recovery	RPD
PB IN SOIL BY GPAA	JD17	PB	EXAX0206	DV4S*216	OBSE	27-SEP-95	22-OCT-95	4.22	1	9.9	23.7	142.3
PB IN SOIL BY GPAA	JD17	PB	AXE9503X	DV4S*315	OBVE	27-DEC-95	18-JAN-96	4.27	9.7	8.4	227.2	12.1
PB IN SOIL BY GPAA	JD17	PB	AXE9503X	DV4S*315	OBVE	27-DEC-95	18-JAN-96	4.47	9	8.4	201.3	12.1
PB IN SOIL BY GPAA	JD17	PB	DXZM0200	DV4S*391	OBPE	11-SEP-95	06-OCT-95	3.98	6.2	21	155.8	140.5
PB IN SOIL BY GPAA	JD17	PB	DXZM0200	DV4S*391	OBPE	11-SEP-95	06-OCT-95	4.04	1.1	21	27.2	140.5

avg											99.6	
minimum											23.7	
maximum											227.2	
AS IN SOIL BY GPAA	JD19	AS	KX570506	DV4S*105	QBVE	19-SEP-95	18-OCT-95	4.08	7.6	11	186.3	83.1
AS IN SOIL BY GPAA	JD19	AS	KX570506	DV4S*105	QBVE	19-SEP-95	18-OCT-95	4.03	3.1	11	76.9	83.1
AS IN SOIL BY GPAA	JD19	AS	KX571502	DV4S*115	QBVE	21-SEP-95	18-OCT-95	5.21	7.95	2.14	152.6	5.3
AS IN SOIL BY GPAA	JD19	AS	KX571502	DV4S*115	QBVE	21-SEP-95	18-OCT-95	5.24	7.58	2.14	144.7	5.3
AS IN SOIL BY GPAA	JD19	AS	KX570319	DV4S*147	QBXE	27-SEP-95	23-OCT-95	4.71	4.96	5.75	105.3	8.6
AS IN SOIL BY GPAA	JD19	AS	KX570319	DV4S*147	QBXE	27-SEP-95	23-OCT-95	4.8	4.64	5.75	96.7	8.6
AS IN SOIL BY GPAA	JD19	AS	DX570500	DV4S*191	QBUE	13-SEP-95	08-OCT-95	9.11	8.6	28	94.4	5.8
AS IN SOIL BY GPAA	JD19	AS	DX570500	DV4S*191	QBUE	13-SEP-95	08-OCT-95	9.09	8.1	28	89.1	5.8
AS IN SOIL BY GPAA	JD19	AS	EXAX0206	DV4S*216	QBXE	27-SEP-95	24-OCT-95	4.2	3.7	18	88.1	102.4
AS IN SOIL BY GPAA	JD19	AS	EXAX0206	DV4S*216	QBXE	27-SEP-95	24-OCT-95	4.22	1.2	18	28.4	102.4
AS IN SOIL BY GPAA	JD19	AS	EXZM0200	DV4S*248	QBVE	19-SEP-95	18-OCT-95	4.07	7.3	11	179.4	28.5
AS IN SOIL BY GPAA	JD19	AS	EXZM0200	DV4S*248	QBVE	19-SEP-95	18-OCT-95	4.16	5.6	11	134.6	28.5
AS IN SOIL BY GPAA	JD19	AS	AXE9503X	DV4S*315	QBAP	27-DEC-95	16-JAN-96	4.27	3.5	25	82.0	26.7
AS IN SOIL BY GPAA	JD19	AS	AXE9503X	DV4S*315	QBAP	27-DEC-95	16-JAN-96	4.31	2.7	25	62.6	26.7
AS IN SOIL BY GPAA	JD19	AS	DXZM0200	DV4S*391	QBUE	11-SEP-95	10-OCT-95	3.98	1.5	13	12.6	1.5
AS IN SOIL BY GPAA	JD19	AS	DXZM0200	DV4S*391	QBUE	11-SEP-95	10-OCT-95	4.04	1.5	13	12.4	1.5

avg											96.6	
minimum											12.4	
maximum											186.3	
TL IN SOIL BY GPAA	JD24	TL	KX570506	DV4S*105	RBFB	19-SEP-95	15-OCT-95	4.08	4.42	1.5	108.3	2.5
TL IN SOIL BY GPAA	JD24	TL	KX570506	DV4S*105	RBFB	19-SEP-95	15-OCT-95	4.03	4.26	1.5	105.7	2.5
TL IN SOIL BY GPAA	JD24	TL	KX571502	DV4S*115	RBFB	21-SEP-95	15-OCT-95	5.24	5.53	1.5	105.5	1.3
TL IN SOIL BY GPAA	JD24	TL	KX571502	DV4S*115	RBFB	21-SEP-95	15-OCT-95	5.21	5.43	1.5	104.2	1.3

MS/MSD

IRDMIS Method Code	IRDMIS Field Sample Number	Test Name	Lab		Lot	Sample Date	Analysis Date	Spike Value	Value <	Original Sample		Percent Recovery	RPD	
			Number	Number						Value	Units			
JD24	TL	TL	EX570319	DVAS*147	RBGB	27-SEP-95	22-OCT-95	4.8	5.15	<	.5	UGG	107.3	.9
JD24	TL	TL	EX570319	DVAS*147	RBGB	27-SEP-95	22-OCT-95	4.71	5.01	<	.5	UGG	106.4	.9
JD24	TL	TL	DX570500	DVAS*191	RBEB	13-SEP-95	09-OCT-95	9.11	9.58	<	.5	UGG	105.2	.6
JD24	TL	TL	DX570500	DVAS*191	RBEB	13-SEP-95	09-OCT-95	9.09	9.5	<	.5	UGG	104.5	.6
JD24	TL	TL	EXAX0206	DVAS*216	RBGB	27-SEP-95	22-OCT-95	4.2	4.42	<	.5	UGG	105.2	3.0
JD24	TL	TL	EXAX0206	DVAS*216	RBGB	27-SEP-95	22-OCT-95	4.22	4.31	<	.5	UGG	102.1	3.0
JD24	TL	TL	EXZM0200	DVAS*248	RBFB	19-SEP-95	15-OCT-95	4.07	4.02	<	.5	UGG	98.8	2.2
JD24	TL	TL	EXZM0200	DVAS*248	RBFB	19-SEP-95	15-OCT-95	4.16	4.2	<	.5	UGG	101.0	2.2
JD24	TL	TL	AXE9503X	DVAS*315	RBHB	27-DEC-95	16-JAN-96	4.27	4.68	<	.5	UGG	109.6	0.0
JD24	TL	TL	AXE9503X	DVAS*315	RBHB	27-DEC-95	16-JAN-96	4.07	4.9	<	.5	UGG	109.6	0.0
JD24	TL	TL	DXZM0200	DVAS*391	RBEB	11-SEP-95	09-OCT-95	4.44	4.02	<	.5	UGG	99.5	.7
JD24	TL	TL	DXZM0200	DVAS*391	RBEB	11-SEP-95	09-OCT-95	3.98	3.99	<	.5	UGG	100.3	.7

avg														
minimum														
maximum														
JD25	SB	SB	EX570506	DVAS*105	SBNB	19-SEP-95	18-OCT-95	8.05	8.97	<	1.09	UGG	111.4	1.7
JD25	SB	SB	EX570506	DVAS*105	SBNB	19-SEP-95	18-OCT-95	8.09	8.86	<	1.09	UGG	109.5	1.7
JD25	SB	SB	EX571502	DVAS*115	SBNB	21-SEP-95	18-OCT-95	10.4	11.9	<	1.09	UGG	114.4	.5
JD25	SB	SB	EX571502	DVAS*115	SBNB	21-SEP-95	18-OCT-95	10.1	11.5	<	1.09	UGG	113.9	.5
JD25	SB	SB	EX570319	DVAS*147	SBOB	27-SEP-95	25-OCT-95	9.59	7.88	<	1.09	UGG	82.2	.8
JD25	SB	SB	EX570319	DVAS*147	SBOB	27-SEP-95	25-OCT-95	9.47	7.72	<	1.09	UGG	81.5	.8
JD25	SB	SB	DX570500	DVAS*191	SBMB	13-SEP-95	19-OCT-95	18.1	22.8	<	1.09	UGG	126.0	.6
JD25	SB	SB	DX570500	DVAS*191	SBMB	13-SEP-95	19-OCT-95	18	22.8	<	1.09	UGG	126.7	.6
JD25	SB	SB	EXAX0206	DVAS*216	SBOB	27-SEP-95	25-OCT-95	8.43	8.54	<	1.09	UGG	101.3	.1
JD25	SB	SB	EXAX0206	DVAS*216	SBOB	27-SEP-95	25-OCT-95	8.42	8.52	<	1.09	UGG	101.2	.1
JD25	SB	SB	EXZM0200	DVAS*248	SBNB	19-SEP-95	18-OCT-95	8.12	8.86	<	1.09	UGG	108.2	1.0
JD25	SB	SB	EXZM0200	DVAS*248	SBNB	19-SEP-95	18-OCT-95	8.09	8.59	<	1.09	UGG	107.1	1.0
JD25	SB	SB	AXE9503X	DVAS*315	SBFB	27-DEC-95	23-JAN-96	8.58	8.55	<	1.09	UGG	99.7	1.4
JD25	SB	SB	AXE9503X	DVAS*315	SBFB	27-DEC-95	23-JAN-96	8.37	8.46	<	1.09	UGG	101.1	1.4
JD25	SB	SB	DXZM0200	DVAS*391	SBMB	11-SEP-95	19-OCT-95	7.94	9.77	<	1.09	UGG	123.0	3.5
JD25	SB	SB	DXZM0200	DVAS*391	SBMB	11-SEP-95	19-OCT-95	8.07	9.59	<	1.09	UGG	118.8	3.5

avg														
minimum														
maximum														

MSB/MSD

[illegible]

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

MS/MSD

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Original Sample			RPD
									Value <	Value Units	Percent Recovery	
METALS IN SOIL BY ICAP	JS16	AL	AX89503X	DV48*315	UBFG	27-DEC-95	10-JAN-96	535	262	5010 UGG	49.0	124.3
METALS IN SOIL BY ICAP	JS16	AL	DX2W0200	DV48*391	UBUF	11-SRP-95	03-OCT-95	202	2.35	4120 UGG	1.2	.5
METALS IN SOIL BY ICAP	JS16	AL	DX2W0200	DV48*391	UBUF	11-SRP-95	03-OCT-95	201	2.35	4120 UGG	1.2	.5

avg											68.7	
minimum											.5	
maximum											504.7	
METALS IN SOIL BY ICAP	JS16	BA	EX570506	DV48*105	UBVF	19-SRP-95	05-OCT-95	60.1	64.1	17.2 UGG	106.7	17.1
METALS IN SOIL BY ICAP	JS16	BA	EX570506	DV48*105	UBVF	19-SRP-95	05-OCT-95	60.1	54	17.2 UGG	89.9	17.1
METALS IN SOIL BY ICAP	JS16	BA	EX571502	DV48*115	UBVF	21-SRP-95	05-OCT-95	77.7	78.3	37.1 UGG	100.8	6.2
METALS IN SOIL BY ICAP	JS16	BA	EX571502	DV48*115	UBVF	21-SRP-95	05-OCT-95	77.5	73.4	37.1 UGG	94.7	6.2
METALS IN SOIL BY ICAP	JS16	BA	EX570319	DV48*147	UBVF	27-SRP-95	20-OCT-95	71.2	72.9	6.91 UGG	102.4	1.7
METALS IN SOIL BY ICAP	JS16	BA	EX570319	DV48*147	UBVF	27-SRP-95	20-OCT-95	72	75	6.91 UGG	104.2	1.7
METALS IN SOIL BY ICAP	JS16	BA	DX570500	DV48*191	UBUF	13-SRP-95	03-OCT-95	133	138	70 UGG	103.8	3.7
METALS IN SOIL BY ICAP	JS16	BA	DX570500	DV48*191	UBUF	13-SRP-95	03-OCT-95	134	134	70 UGG	100.0	3.7
METALS IN SOIL BY ICAP	JS16	BA	BXAX0206	DV48*216	UBVF	19-SRP-95	20-OCT-95	63.6	63.7	24.6 UGG	100.2	4.3
METALS IN SOIL BY ICAP	JS16	BA	BXAX0206	DV48*216	UBVF	27-SRP-95	20-OCT-95	63.7	61.1	24.6 UGG	95.9	4.3
METALS IN SOIL BY ICAP	JS16	BA	BX2W0200	DV48*248	UBVF	19-SRP-95	05-OCT-95	62	62.2	18.4 UGG	100.3	1.5
METALS IN SOIL BY ICAP	JS16	BA	BX2W0200	DV48*248	UBVF	19-SRP-95	05-OCT-95	59.8	59.1	18.4 UGG	98.8	1.5
METALS IN SOIL BY ICAP	JS16	BA	AX89503X	DV48*315	UBFG	27-DEC-95	10-JAN-96	64.1	71.1	18.6 UGG	110.9	1.7
METALS IN SOIL BY ICAP	JS16	BA	AX89503X	DV48*315	UBFG	27-DEC-95	10-JAN-96	64.2	70	18.6 UGG	109.0	1.7
METALS IN SOIL BY ICAP	JS16	BA	DX2W0200	DV48*391	UBUF	11-SRP-95	03-OCT-95	60.5	61.2	11.4 UGG	101.2	5.6
METALS IN SOIL BY ICAP	JS16	BA	DX2W0200	DV48*391	UBUF	11-SRP-95	03-OCT-95	60.2	57.6	11.4 UGG	95.7	5.6

avg											100.9	
minimum											89.9	
maximum											110.9	
METALS IN SOIL BY ICAP	JS16	BE	EX570506	DV48*105	UBVF	19-SRP-95	05-OCT-95	50.1	52.6	.5 UGG	105.0	.4
METALS IN SOIL BY ICAP	JS16	BE	EX570506	DV48*105	UBVF	19-SRP-95	05-OCT-95	50.1	52.4	.5 UGG	104.6	.4
METALS IN SOIL BY ICAP	JS16	BE	EX571502	DV48*115	UBVF	21-SRP-95	05-OCT-95	64.8	66.3	.5 UGG	102.3	1.5
METALS IN SOIL BY ICAP	JS16	BE	EX571502	DV48*115	UBVF	21-SRP-95	05-OCT-95	64.6	65.1	.5 UGG	100.8	1.5
METALS IN SOIL BY ICAP	JS16	BE	EX570319	DV48*147	UBVF	27-SRP-95	20-OCT-95	60	63.2	.5 UGG	105.3	.9
METALS IN SOIL BY ICAP	JS16	BE	EX570319	DV48*147	UBVF	27-SRP-95	20-OCT-95	59.3	61.9	.5 UGG	104.4	.9
METALS IN SOIL BY ICAP	JS16	BE	EX570500	DV48*191	UBUF	13-SRP-95	03-OCT-95	111	121	.5 UGG	109.0	2.6
METALS IN SOIL BY ICAP	JS16	BE	EX570500	DV48*191	UBUF	13-SRP-95	03-OCT-95	112	119	.5 UGG	106.3	2.6

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

MS/MSD

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value <	Original Sample Value Units	Percent Recovery	RPD
METALS IN SOIL BY ICAP	JS16	BE	BXAX0206	DV4S*216 UBVF	27-SEP-95	20-OCT-95	53	53.6	<	.5 UGG	101.1	2.6
METALS IN SOIL BY ICAP	JS16	BE	BXAX0206	DV4S*216 UBVF	27-SEP-95	20-OCT-95	53	55	<	.5 UGG	103.8	2.6
METALS IN SOIL BY ICAP	JS16	BE	BXZW0200	DV4S*248 UBVF	19-SEP-95	05-OCT-95	51.7	53.3	<	.5 UGG	103.1	.5
METALS IN SOIL BY ICAP	JS16	BE	BXZW0200	DV4S*248 UBVF	19-SEP-95	05-OCT-95	49.8	51.6	<	.5 UGG	103.6	.5
METALS IN SOIL BY ICAP	JS16	BE	AXE9503X	DV4S*315 UBFG	27-DEC-95	10-JAN-96	53.5	57.2	<	.5 UGG	106.9	2.8
METALS IN SOIL BY ICAP	JS16	BE	AXE9503X	DV4S*315 UBFG	27-DEC-95	10-JAN-96	53.4	55.5	<	.5 UGG	103.9	2.8
METALS IN SOIL BY ICAP	JS16	BE	DXZW0200	DV4S*391 UBVF	11-SEP-95	03-OCT-95	50.4	52.1	<	.5 UGG	103.4	1.3
METALS IN SOIL BY ICAP	JS16	BE	DXZW0200	DV4S*391 UBVF	11-SEP-95	03-OCT-95	50.2	51.2	<	.5 UGG	102.0	1.3
*****		avg										
		minimum										
		maximum										
METALS IN SOIL BY ICAP	JS16	CA	BX570506	DV4S*105 UBVF	19-SEP-95	05-OCT-95	5010	4910		325 UGG	98.0	.6
METALS IN SOIL BY ICAP	JS16	CA	BX570506	DV4S*105 UBVF	19-SEP-95	05-OCT-95	5010	4880		325 UGG	97.4	.6
METALS IN SOIL BY ICAP	JS16	CA	BX571502	DV4S*115 UBVF	21-SEP-95	05-OCT-95	6460	6270		595 UGG	96.8	1.8
METALS IN SOIL BY ICAP	JS16	CA	BX570319	DV4S*147 UBVF	27-SEP-95	20-OCT-95	6000	6140		595 UGG	95.0	1.8
METALS IN SOIL BY ICAP	JS16	CA	BX570319	DV4S*147 UBVF	27-SEP-95	20-OCT-95	5930	5910		319 UGG	98.5	.5
METALS IN SOIL BY ICAP	JS16	CA	DX570500	DV4S*191 UBVF	13-SEP-95	03-OCT-95	11200	11600		2170 UGG	98.0	.5
METALS IN SOIL BY ICAP	JS16	CA	DX570500	DV4S*191 UBVF	13-SEP-95	03-OCT-95	11100	11300		2170 UGG	103.6	1.7
METALS IN SOIL BY ICAP	JS16	CA	BXAX0206	DV4S*216 UBVF	27-SEP-95	20-OCT-95	5300	5590		1320 UGG	101.8	1.7
METALS IN SOIL BY ICAP	JS16	CA	BXAX0206	DV4S*216 UBVF	27-SEP-95	20-OCT-95	5300	5270		1320 UGG	105.5	5.9
METALS IN SOIL BY ICAP	JS16	CA	BXZW0200	DV4S*248 UBVF	19-SEP-95	05-OCT-95	5170	5120		478 UGG	99.4	5.9
METALS IN SOIL BY ICAP	JS16	CA	BXZW0200	DV4S*248 UBVF	19-SEP-95	05-OCT-95	4980	4840		478 UGG	97.2	1.9
METALS IN SOIL BY ICAP	JS16	CA	AXE9503X	DV4S*315 UBFG	27-DEC-95	10-JAN-96	5350	5360		832 UGG	100.2	3.2
METALS IN SOIL BY ICAP	JS16	CA	AXE9503X	DV4S*315 UBFG	27-DEC-95	10-JAN-96	5340	5180		832 UGG	97.0	3.2
METALS IN SOIL BY ICAP	JS16	CA	DXZW0200	DV4S*391 UBVF	11-SEP-95	03-OCT-95	5040	4950		736 UGG	98.2	2.3
METALS IN SOIL BY ICAP	JS16	CA	DXZW0200	DV4S*391 UBVF	11-SEP-95	03-OCT-95	5020	4820		736 UGG	96.0	2.3
*****		avg										
		minimum										
		maximum										
METALS IN SOIL BY ICAP	JS16	CD	BX570506	DV4S*105 UBVF	19-SEP-95	05-OCT-95	50.1	53.3	<	.7 UGG	106.4	.4
METALS IN SOIL BY ICAP	JS16	CD	BX570506	DV4S*105 UBVF	19-SEP-95	05-OCT-95	50.1	53.1	<	.7 UGG	106.0	.4
METALS IN SOIL BY ICAP	JS16	CD	BX571502	DV4S*115 UBVF	21-SEP-95	05-OCT-95	64.8	66.9	<	.7 UGG	103.2	.7

MS/MSD

[illegible]

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

MS/MSD

Method Description	IRDMIS Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value <	Original		Percent Recovery	RPD
										Value	Units		
METALS IN SOIL BY ICAP	JS16	CR	EX570506	DV4S*105	UBVF	19-SEP-95	05-OCT-95	100	103	11.5	UGG	103.0	1.0
METALS IN SOIL BY ICAP	JS16	CR	EX570506	DV4S*105	UBVF	19-SEP-95	05-OCT-95	100	102	11.5	UGG	102.0	1.0
METALS IN SOIL BY ICAP	JS16	CR	EX571502	DV4S*115	UBVF	21-SEP-95	05-OCT-95	130	136	10.4	UGG	104.6	1.5
METALS IN SOIL BY ICAP	JS16	CR	EX571502	DV4S*115	UBVF	21-SEP-95	05-OCT-95	129	133	10.4	UGG	103.1	1.5
METALS IN SOIL BY ICAP	JS16	CR	EX570319	DV4S*147	UBVF	27-SEP-95	20-OCT-95	120	133	4.05	UGG	110.8	1.4
METALS IN SOIL BY ICAP	JS16	CR	EX570319	DV4S*147	UBVF	27-SEP-95	20-OCT-95	119	130	4.05	UGG	109.2	1.4
METALS IN SOIL BY ICAP	JS16	CR	DX570500	DV4S*191	UBUF	13-SEP-95	03-OCT-95	222	247	43.2	UGG	111.3	.9
METALS IN SOIL BY ICAP	JS16	CR	DX570500	DV4S*191	UBUF	13-SEP-95	03-OCT-95	224	247	43.2	UGG	110.3	.9
METALS IN SOIL BY ICAP	JS16	CR	EXAX0206	DV4S*216	UBVF	27-SEP-95	20-OCT-95	106	114	20.9	UGG	107.5	.9
METALS IN SOIL BY ICAP	JS16	CR	EXAX0206	DV4S*216	UBVF	27-SEP-95	20-OCT-95	106	113	20.9	UGG	106.6	.9
METALS IN SOIL BY ICAP	JS16	CR	EXZW0200	DV4S*248	UBVF	19-SEP-95	05-OCT-95	103	108	15.7	UGG	104.9	1.4
METALS IN SOIL BY ICAP	JS16	CR	EXZW0200	DV4S*248	UBVF	19-SEP-95	05-OCT-95	99.6	103	15.7	UGG	103.4	1.4
METALS IN SOIL BY ICAP	JS16	CR	AXE9503X	DV4S*315	UBFG	27-DEC-95	10-JAN-96	107	120	13.7	UGG	112.1	.8
METALS IN SOIL BY ICAP	JS16	CR	AXE9503X	DV4S*315	UBFG	27-DEC-95	10-JAN-96	107	119	13.7	UGG	111.2	.8
METALS IN SOIL BY ICAP	JS16	CR	DXZW0200	DV4S*391	UBUF	11-SEP-95	03-OCT-95	100	117	16.1	UGG	117.0	9.9
METALS IN SOIL BY ICAP	JS16	CR	DXZW0200	DV4S*391	UBUF	11-SEP-95	03-OCT-95	101	107	16.1	UGG	105.9	9.9
*****		avg										107.7	
		minimum										102.0	
		maximum										117.0	
METALS IN SOIL BY ICAP	JS16	CU	EX570506	DV4S*105	UBVF	19-SEP-95	05-OCT-95	50.1	49.3	7.49	UGG	98.4	1.2
METALS IN SOIL BY ICAP	JS16	CU	EX570506	DV4S*105	UBVF	19-SEP-95	05-OCT-95	50.1	48.7	7.49	UGG	97.2	1.2
METALS IN SOIL BY ICAP	JS16	CU	EX571502	DV4S*115	UBVF	21-SEP-95	05-OCT-95	64.8	65.9	9.36	UGG	101.7	2.5
METALS IN SOIL BY ICAP	JS16	CU	EX571502	DV4S*115	UBVF	21-SEP-95	05-OCT-95	64.6	64.1	9.36	UGG	99.2	2.5
METALS IN SOIL BY ICAP	JS16	CU	EX570319	DV4S*147	UBVF	27-SEP-95	20-OCT-95	60	59.8	4.33	UGG	99.7	.7
METALS IN SOIL BY ICAP	JS16	CU	EX570319	DV4S*147	UBVF	27-SEP-95	20-OCT-95	59.3	58.7	4.33	UGG	99.0	.7
METALS IN SOIL BY ICAP	JS16	CU	DX570500	DV4S*191	UBUF	13-SEP-95	03-OCT-95	112	115	33.8	UGG	102.7	.9
METALS IN SOIL BY ICAP	JS16	CU	DX570500	DV4S*191	UBUF	13-SEP-95	03-OCT-95	111	113	33.8	UGG	101.8	.9
METALS IN SOIL BY ICAP	JS16	CU	EXAX0206	DV4S*216	UBVF	27-SEP-95	20-OCT-95	53	57.5	12.8	UGG	108.5	3.0
METALS IN SOIL BY ICAP	JS16	CU	EXAX0206	DV4S*216	UBVF	27-SEP-95	20-OCT-95	53	55.8	12.8	UGG	105.3	3.0
METALS IN SOIL BY ICAP	JS16	CU	EXZW0200	DV4S*248	UBVF	19-SEP-95	05-OCT-95	51.7	50.7	8.4	UGG	98.1	1.3
METALS IN SOIL BY ICAP	JS16	CU	EXZW0200	DV4S*248	UBVF	19-SEP-95	05-OCT-95	49.8	49.5	8.4	UGG	99.4	1.3
METALS IN SOIL BY ICAP	JS16	CU	AXE9503X	DV4S*315	UBFG	27-DEC-95	10-JAN-96	53.5	53.5	12.3	UGG	100.0	.2
METALS IN SOIL BY ICAP	JS16	CU	AXE9503X	DV4S*315	UBFG	27-DEC-95	10-JAN-96	53.4	53.3	12.3	UGG	99.8	.2

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

MS/MSD

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Original Sample			RPD
									Value <	Value Units	Percent Recovery	
METALS IN SOIL BY ICAP	JS16	CU	DX2W0200	DV4S*391	UBUF	11-SEP-95	03-OCT-95	50.4	55.3	10.9 UGG	109.7	16.9
METALS IN SOIL BY ICAP	JS16	CU	DX2W0200	DV4S*391	UBUF	11-SEP-95	03-OCT-95	50.2	46.5	10.9 UGG	92.6	16.9

		avg									100.8	
		minimum									92.6	
		maximum									109.7	
METALS IN SOIL BY ICAP	JS16	PE	EX570506	DV4S*105	UBVF	19-SEP-95	05-OCT-95	1000	3.68	7080 UGG	.4	0.0
METALS IN SOIL BY ICAP	JS16	PE	EX570506	DV4S*105	UBVF	19-SEP-95	05-OCT-95	1000	3.68	7080 UGG	.4	0.0
METALS IN SOIL BY ICAP	JS16	PE	EX571502	DV4S*115	UBVF	21-SEP-95	05-OCT-95	1290	648	4910 UGG	50.2	3.0
METALS IN SOIL BY ICAP	JS16	PE	EX571502	DV4S*115	UBVF	21-SEP-95	05-OCT-95	1300	634	4910 UGG	48.8	3.0
METALS IN SOIL BY ICAP	JS16	PE	EX570319	DV4S*147	UBVF	27-SEP-95	20-OCT-95	1200	448	4490 UGG	37.3	34.1
METALS IN SOIL BY ICAP	JS16	PE	EX570319	DV4S*147	UBVF	27-SEP-95	20-OCT-95	1190	315	4490 UGG	26.5	34.1
METALS IN SOIL BY ICAP	JS16	PE	DX570500	DV4S*191	UBUF	13-SEP-95	03-OCT-95	2220	3.68	18900 UGG	.2	198.6
METALS IN SOIL BY ICAP	JS16	PE	DX570500	DV4S*191	UBUF	13-SEP-95	03-OCT-95	2240	1090	18900 UGG	48.7	198.6
METALS IN SOIL BY ICAP	JS16	PE	EXAX0206	DV4S*216	UBVF	27-SEP-95	20-OCT-95	1060	4900	16600 UGG	462.3	22.2
METALS IN SOIL BY ICAP	JS16	PE	EXAX0206	DV4S*216	UBVF	27-SEP-95	20-OCT-95	1060	3920	16600 UGG	369.8	22.2
METALS IN SOIL BY ICAP	JS16	PE	EX2W0200	DV4S*248	UBVF	19-SEP-95	05-OCT-95	996	3.68	10700 UGG	.4	3.4
METALS IN SOIL BY ICAP	JS16	PE	EX2W0200	DV4S*248	UBVF	19-SEP-95	05-OCT-95	1030	3.68	10700 UGG	.4	3.4
METALS IN SOIL BY ICAP	JS16	PE	AXE9503X	DV4S*315	UBPG	27-DEC-95	10-JAN-96	1070	1520	8390 UGG	142.1	114.7
METALS IN SOIL BY ICAP	JS16	PE	AXE9503X	DV4S*315	UBPG	27-DEC-95	10-JAN-96	1070	412	8390 UGG	38.5	114.7
METALS IN SOIL BY ICAP	JS16	PE	DX2W0200	DV4S*391	UBUF	11-SEP-95	03-OCT-95	1000	3.68	10900 UGG	.4	196.8
METALS IN SOIL BY ICAP	JS16	PE	DX2W0200	DV4S*391	UBUF	11-SEP-95	03-OCT-95	1010	466	10900 UGG	46.1	196.8

		avg									79.5	
		minimum									.2	
		maximum									462.3	
METALS IN SOIL BY ICAP	JS16	K	EX570506	DV4S*105	UBVF	19-SEP-95	05-OCT-95	5010	4950	606 UGG	98.8	1.0
METALS IN SOIL BY ICAP	JS16	K	EX570506	DV4S*105	UBVF	19-SEP-95	05-OCT-95	5010	4900	606 UGG	97.8	1.0
METALS IN SOIL BY ICAP	JS16	K	EX571502	DV4S*115	UBVF	21-SEP-95	05-OCT-95	6480	6490	300 UGG	100.2	.6
METALS IN SOIL BY ICAP	JS16	K	EX571502	DV4S*115	UBVF	21-SEP-95	05-OCT-95	6460	6430	300 UGG	99.5	.6
METALS IN SOIL BY ICAP	JS16	K	EX570319	DV4S*147	UBVF	27-SEP-95	20-OCT-95	6000	6430	319 UGG	107.2	2.5
METALS IN SOIL BY ICAP	JS16	K	EX570319	DV4S*147	UBVF	27-SEP-95	20-OCT-95	5930	6200	319 UGG	104.6	2.5
METALS IN SOIL BY ICAP	JS16	K	DX570500	DV4S*191	UBUF	13-SEP-95	03-OCT-95	11100	11900	1240 UGG	107.2	1.7
METALS IN SOIL BY ICAP	JS16	K	DX570500	DV4S*191	UBUF	13-SEP-95	03-OCT-95	11200	11800	1240 UGG	105.4	1.7
METALS IN SOIL BY ICAP	JS16	K	EXAX0206	DV4S*216	UBVF	27-SEP-95	20-OCT-95	5300	5370	766 UGG	101.3	.2

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

MS/MSD

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Original Sample		Percent Recovery	RPP
									Value <	Value		
METALS IN SOIL BY ICAP	JS16	K	EXAX0206	DV4S*216	UBVF	27-SEP-95	20-OCT-95	5300	5360	766	101.1	.2
METALS IN SOIL BY ICAP	JS16	K	EXZW0200	DV4S*248	UBVF	19-SEP-95	05-OCT-95	5170	5400	483	104.4	2.0
METALS IN SOIL BY ICAP	JS16	K	EXZW0200	DV4S*248	UBVF	19-SEP-95	05-OCT-95	4980	5100	483	102.4	2.0
METALS IN SOIL BY ICAP	JS16	K	AXE9503X	DV4S*315	UBFG	27-DEC-95	10-JAN-96	5340	5840	517	109.4	1.6
METALS IN SOIL BY ICAP	JS16	K	AXE9503X	DV4S*315	UBFG	27-DEC-95	10-JAN-96	5350	5760	517	107.7	1.6
METALS IN SOIL BY ICAP	JS16	K	DXZW0200	DV4S*391	UBUF	11-SEP-95	03-OCT-95	5040	5540	415	109.9	6.7
METALS IN SOIL BY ICAP	JS16	K	DXZW0200	DV4S*391	UBUF	11-SEP-95	03-OCT-95	5020	5160	415	102.8	6.7
*****		avg										
		minimum									103.7	
		maximum									97.8	
											109.9	
METALS IN SOIL BY ICAP	JS16	MG	EX570506	DV4S*105	UBVF	19-SEP-95	05-OCT-95	5010	4850	1670	96.8	2.7
METALS IN SOIL BY ICAP	JS16	MG	EX570506	DV4S*105	UBVF	19-SEP-95	05-OCT-95	5010	4720	1670	94.2	2.7
METALS IN SOIL BY ICAP	JS16	MG	EX571502	DV4S*115	UBVF	21-SEP-95	05-OCT-95	6480	6630	808	102.3	1.8
METALS IN SOIL BY ICAP	JS16	MG	EX571502	DV4S*115	UBVF	21-SEP-95	05-OCT-95	6460	6490	808	100.5	1.8
METALS IN SOIL BY ICAP	JS16	MG	EX570319	DV4S*147	UBVF	27-SEP-95	20-OCT-95	6000	6170	894	102.8	1.3
METALS IN SOIL BY ICAP	JS16	MG	EX570319	DV4S*147	UBVF	27-SEP-95	20-OCT-95	5930	6020	894	101.5	1.3
METALS IN SOIL BY ICAP	JS16	MG	DX570500	DV4S*191	UBUF	13-SEP-95	03-OCT-95	11000	11800	3880	106.3	1.7
METALS IN SOIL BY ICAP	JS16	MG	DX570500	DV4S*191	UBUF	13-SEP-95	03-OCT-95	11200	11700	3880	104.5	1.7
METALS IN SOIL BY ICAP	JS16	MG	EXAX0206	DV4S*216	UBVF	27-SEP-95	20-OCT-95	5300	6140	4260	115.8	1.8
METALS IN SOIL BY ICAP	JS16	MG	EXAX0206	DV4S*216	UBVF	27-SEP-95	20-OCT-95	5300	6030	4260	113.8	1.8
METALS IN SOIL BY ICAP	JS16	MG	EXZW0200	DV4S*248	UBVF	19-SEP-95	05-OCT-95	5170	5570	2130	107.7	5.5
METALS IN SOIL BY ICAP	JS16	MG	EXZW0200	DV4S*248	UBVF	19-SEP-95	05-OCT-95	4980	5080	2130	102.0	5.5
METALS IN SOIL BY ICAP	JS16	MG	AXE9503X	DV4S*315	UBFG	27-DEC-95	10-JAN-96	5340	6440	1910	120.6	10.6
METALS IN SOIL BY ICAP	JS16	MG	AXE9503X	DV4S*315	UBFG	27-DEC-95	10-JAN-96	5350	5800	1910	108.4	10.6
METALS IN SOIL BY ICAP	JS16	MG	DXZW0200	DV4S*391	UBUF	11-SEP-95	03-OCT-95	5040	5030	2630	99.8	18.3
METALS IN SOIL BY ICAP	JS16	MG	DXZW0200	DV4S*391	UBUF	11-SEP-95	03-OCT-95	5020	4170	2630	83.1	18.3
*****		avg										
		minimum									103.8	
		maximum									83.1	
											120.6	
METALS IN SOIL BY ICAP	JS16	MN	EX570506	DV4S*105	UBVF	19-SEP-95	05-OCT-95	50.1	2.05	333	4.1	0.0
METALS IN SOIL BY ICAP	JS16	MN	EX570506	DV4S*105	UBVF	19-SEP-95	05-OCT-95	50.1	2.05	333	4.1	0.0
METALS IN SOIL BY ICAP	JS16	MN	EX571502	DV4S*115	UBVF	21-SEP-95	05-OCT-95	64.8	61.5	51.9	94.9	7.1
METALS IN SOIL BY ICAP	JS16	MN	EX571502	DV4S*115	UBVF	21-SEP-95	05-OCT-95	64.6	57.1	51.9	88.4	7.1

Group 4 Sites

MS/MS

	avg	minimum	maximum
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Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

MS/MSD

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analyte Date	Spike Value	Original			RPD
									Value <	Sample Value Units	Percent Recovery	
METALS IN SOIL BY ICAP	JS16	NI	EX570506	DV4S*105	UBVF	19-SEP-95	05-OCT-95	50.1	54.3	9.34	108.4	3.6
METALS IN SOIL BY ICAP	JS16	NI	EX570506	DV4S*105	UBVF	19-SEP-95	05-OCT-95	50.1	52.4	9.34	104.6	3.6
METALS IN SOIL BY ICAP	JS16	NI	EX571502	DV4S*115	UBVF	21-SEP-95	05-OCT-95	64.8	69.7	5.78	107.6	.4
METALS IN SOIL BY ICAP	JS16	NI	EX571502	DV4S*115	UBVF	21-SEP-95	05-OCT-95	64.6	69.2	5.78	107.1	.4
METALS IN SOIL BY ICAP	JS16	NI	EX570319	DV4S*147	UBVF	27-SEP-95	20-OCT-95	60	67.2	4.2	112.0	.6
METALS IN SOIL BY ICAP	JS16	NI	EX570319	DV4S*147	UBVF	27-SEP-95	20-OCT-95	59.3	66	4.2	111.3	.6
METALS IN SOIL BY ICAP	JS16	NI	DX570500	DV4S*191	UBUF	13-SEP-95	03-OCT-95	111	124	25.7	111.7	.9
METALS IN SOIL BY ICAP	JS16	NI	DX570500	DV4S*191	UBUF	13-SEP-95	03-OCT-95	112	124	25.7	110.7	.9
METALS IN SOIL BY ICAP	JS16	NI	BXAX0206	DV4S*216	UBVF	27-SEP-95	20-OCT-95	53	62.4	32.6	117.7	8.6
METALS IN SOIL BY ICAP	JS16	NI	BXAX0206	DV4S*216	UBVF	27-SEP-95	20-OCT-95	53	68	32.6	128.3	8.6
METALS IN SOIL BY ICAP	JS16	NI	BXZM0200	DV4S*248	UBVF	19-SEP-95	05-OCT-95	51.7	55.8	13.7	107.9	3.5
METALS IN SOIL BY ICAP	JS16	NI	BXZM0200	DV4S*248	UBVF	19-SEP-95	05-OCT-95	49.8	51.9	13.7	104.2	3.5
METALS IN SOIL BY ICAP	JS16	NI	AXE9503X	DV4S*315	UBFG	27-DEC-95	10-JAN-96	53.4	60.2	20.6	112.7	2.2
METALS IN SOIL BY ICAP	JS16	NI	AXE9503X	DV4S*315	UBFG	27-DEC-95	10-JAN-96	53.5	59	20.6	110.3	2.2
METALS IN SOIL BY ICAP	JS16	NI	DXZM0200	DV4S*391	UBUF	11-SEP-95	03-OCT-95	50.4	48.8	18.1	96.8	7.5
METALS IN SOIL BY ICAP	JS16	NI	DXZM0200	DV4S*391	UBUF	11-SEP-95	03-OCT-95	50.2	45.1	18.1	89.8	7.5

avg												
minimum												
maximum												
METALS IN SOIL BY ICAP	JS16	PB	EX571502	DV4S*115	UBVF	21-SEP-95	05-OCT-95	194	197	76.2	101.5	5.2
METALS IN SOIL BY ICAP	JS16	PB	EX571502	DV4S*115	UBVF	21-SEP-95	05-OCT-95	194	187	76.2	96.4	5.2
METALS IN SOIL BY ICAP	JS16	PB	EX570500	DV4S*191	UBUF	13-SEP-95	03-OCT-95	335	351	188	104.8	5.0
METALS IN SOIL BY ICAP	JS16	PB	EX570500	DV4S*191	UBUF	13-SEP-95	03-OCT-95	334	333	188	99.7	5.0
METALS IN SOIL BY ICAP	JS16	PB	BXZM0200	DV4S*248	UBVF	19-SEP-95	05-OCT-95	155	157	21.7	101.3	.7
METALS IN SOIL BY ICAP	JS16	PB	BXZM0200	DV4S*248	UBVF	19-SEP-95	05-OCT-95	149	152	21.7	102.0	.7

avg												
minimum												
maximum												
METALS IN SOIL BY ICAP	JS16	V	EX570506	DV4S*105	UBVF	19-SEP-95	05-OCT-95	50.1	49.2	8.07	98.2	.2
METALS IN SOIL BY ICAP	JS16	V	EX570506	DV4S*105	UBVF	19-SEP-95	05-OCT-95	50.1	49.1	8.07	98.0	.2
METALS IN SOIL BY ICAP	JS16	V	EX571502	DV4S*115	UBVF	21-SEP-95	05-OCT-95	64.8	63.5	11.9	98.0	.6
METALS IN SOIL BY ICAP	JS16	V	EX571502	DV4S*115	UBVF	21-SEP-95	05-OCT-95	64.6	62.9	11.9	97.4	.6

Mg/MSD

Method Description	IRDWIS Method Code	Test Name	IRDWIS Field Number	Lab			Sample Date	Analysis Date	Spike Value	Value <	Original Sample		Percent Recovery	RPD
				Number	Lot	Unit					Value	Units		
METALS IN SOIL BY ICAP	JS16	V	BX570319	DVAS*147	UBVF	27-SEP-95	20-OCT-95	60	62.5	<	3.39	UGG	104.2	1.4
METALS IN SOIL BY ICAP	JS16	V	BX570319	DVAS*147	UBVF	27-SEP-95	20-OCT-95	59.3	60.9	<	3.39	UGG	102.7	1.4
METALS IN SOIL BY ICAP	JS16	V	DX570500	DVAS*191	UBUF	13-SEP-95	03-OCT-95	111	117		28.4	UGG	105.4	.9
METALS IN SOIL BY ICAP	JS16	V	DX570500	DVAS*191	UBUF	13-SEP-95	03-OCT-95	112	117		28.4	UGG	104.5	.9
METALS IN SOIL BY ICAP	JS16	V	BXAX0206	DVAS*216	UBVF	27-SEP-95	20-OCT-95	53	54.3		11.8	UGG	102.5	.9
METALS IN SOIL BY ICAP	JS16	V	BXAX0206	DVAS*216	UBVF	27-SEP-95	20-OCT-95	53	53.8		11.8	UGG	101.5	.9
METALS IN SOIL BY ICAP	JS16	V	BXZM0200	DVAS*248	UBVF	19-SEP-95	05-OCT-95	51.7	51.5		12.9	UGG	99.6	1.6
METALS IN SOIL BY ICAP	JS16	V	BXZM0200	DVAS*248	UBVF	19-SEP-95	05-OCT-95	49.8	48.8		12.9	UGG	98.0	1.6
METALS IN SOIL BY ICAP	JS16	V	AXE9503X	DVAS*315	UBFG	27-DEC-95	10-JAN-96	53.4	57.7		8.53	UGG	108.1	3.0
METALS IN SOIL BY ICAP	JS16	V	AXE9503X	DVAS*315	UBFG	27-DEC-95	10-JAN-96	53.5	56.1		8.53	UGG	104.9	3.0
METALS IN SOIL BY ICAP	JS16	V	DXZM0200	DVAS*391	UBUF	11-SEP-95	03-OCT-95	50.4	52.2		10.4	UGG	103.6	9.0
METALS IN SOIL BY ICAP	JS16	V	DXZM0200	DVAS*391	UBUF	11-SEP-95	03-OCT-95	50.2	47.5		10.4	UGG	94.6	9.0

avg														
minimum														
maximum														
METALS IN SOIL BY ICAP	JS16	ZN	BX570506	DVAS*105	UBVF	19-SEP-95	05-OCT-95	100	105		14.9	UGG	105.0	0.0
METALS IN SOIL BY ICAP	JS16	ZN	BX570506	DVAS*105	UBVF	19-SEP-95	05-OCT-95	100	105		14.9	UGG	105.0	0.0
METALS IN SOIL BY ICAP	JS16	ZN	BX571502	DVAS*115	UBVF	21-SEP-95	05-OCT-95	130	144		42.9	UGG	110.8	10.2
METALS IN SOIL BY ICAP	JS16	ZN	BX571502	DVAS*115	UBVF	21-SEP-95	05-OCT-95	129	129		42.9	UGG	100.0	10.2
METALS IN SOIL BY ICAP	JS16	ZN	BX570319	DVAS*147	UBVF	27-SEP-95	20-OCT-95	120	130	<	8.03	UGG	108.3	1.5
METALS IN SOIL BY ICAP	JS16	ZN	BX570319	DVAS*147	UBVF	27-SEP-95	20-OCT-95	119	127	<	8.03	UGG	106.7	1.5
METALS IN SOIL BY ICAP	JS16	ZN	DX570500	DVAS*191	UBUF	13-SEP-95	03-OCT-95	224	243		129	UGG	108.5	3.3
METALS IN SOIL BY ICAP	JS16	ZN	DX570500	DVAS*191	UBUF	13-SEP-95	03-OCT-95	222	233		129	UGG	105.0	3.3
METALS IN SOIL BY ICAP	JS16	ZN	BXAX0206	DVAS*216	UBVF	27-SEP-95	20-OCT-95	106	126		31.6	UGG	118.9	2.4
METALS IN SOIL BY ICAP	JS16	ZN	BXZM0200	DVAS*216	UBVF	27-SEP-95	20-OCT-95	106	123		31.6	UGG	116.0	2.4
METALS IN SOIL BY ICAP	JS16	ZN	BXZM0200	DVAS*248	UBVF	19-SEP-95	05-OCT-95	103	108		26.1	UGG	104.9	.4
METALS IN SOIL BY ICAP	JS16	ZN	BXZM0200	DVAS*248	UBVF	19-SEP-95	05-OCT-95	99.6	104		26.1	UGG	104.4	.4
METALS IN SOIL BY ICAP	JS16	ZN	AXE9503X	DVAS*315	UBFG	27-DEC-95	10-JAN-96	107	114		24.3	UGG	106.5	.9
METALS IN SOIL BY ICAP	JS16	ZN	AXE9503X	DVAS*315	UBFG	27-DEC-95	10-JAN-96	107	113		24.3	UGG	105.6	.9
METALS IN SOIL BY ICAP	JS16													

Chemical Quality Control Report
Installation: Fort Devens, MA (DW)
Group 4 Sites

MS/MSD

Method Description	IRDMIS Code	Test Name	Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value <	Original		RPD
										Sample Value	Percent Recovery	
LH10	ALDRN	ARNSLP	EX570506	DV4S*105	UFTD	19-SEP-95	18-OCT-95	.0205	.0152	.00602	74.1	7.5
LH10	ALDRN	ARNSLP	EX570506	DV4S*105	UFTD	19-SEP-95	18-OCT-95	.0205	.0141	.00602	68.8	7.5
LH10	ALDRN	ARNSLP	EX571502	DV4S*115	UFUD	21-SEP-95	20-OCT-95	.0265	.0178	.00602	67.2	27.5
LH10	ALDRN	ARNSLP	EX571502	DV4S*115	UFUD	21-SEP-95	20-OCT-95	.0265	.0135	.00602	50.9	27.5
LH10	ALDRN	ARNSLP	EX571600	DV4S*121	UFVD	21-SEP-95	28-OCT-95	.0208	.0217	.00602	104.3	11.2
LH10	ALDRN	ARNSLP	EX571600	DV4S*121	UFVD	21-SEP-95	28-OCT-95	.0208	.0194	.00602	93.3	11.2
LH10	ALDRN	ARNSLP	EX570319	DV4S*147	UFXD	27-SEP-95	06-NOV-95	.0241	.0206	.00602	85.5	8.1
LH10	ALDRN	ARNSLP	EX570319	DV4S*147	UFXD	27-SEP-95	06-NOV-95	.0241	.019	.00602	78.8	8.1
LH10	ALDRN	ARNSLP	DX570500	DV4S*191	UFUD	13-SEP-95	08-OCT-95	.0459	.0405	.00602	88.2	2.2
LH10	ALDRN	ARNSLP	DX570500	DV4S*191	UFUD	13-SEP-95	08-OCT-95	.0459	.0396	.00602	86.3	2.2
LH10	ALDRN	ARNSLP	DXZM0200	DV4S*391	UFQD	11-SEP-95	30-SEP-95	.0204	.0169	.00602	82.8	1.8
LH10	ALDRN	ARNSLP	DXZM0200	DV4S*391	UFQD	11-SEP-95	30-SEP-95	.0204	.0166	.00602	81.4	1.8

		avg										
		minimum										
		maximum										
LH10	ALDRN	ALDRN	EX570506	DV4S*105	UFTD	19-SEP-95	18-OCT-95	.0205	.0152	.00729	74.1	8.2
LH10	ALDRN	ALDRN	EX570506	DV4S*105	UFTD	19-SEP-95	18-OCT-95	.0205	.014	.00729	68.3	8.2
LH10	ALDRN	ALDRN	EX571502	DV4S*115	UFUD	21-SEP-95	20-OCT-95	.0265	.0281	.00729	106.0	19.5
LH10	ALDRN	ALDRN	EX571502	DV4S*115	UFUD	21-SEP-95	20-OCT-95	.0265	.0231	.00729	87.2	19.5
LH10	ALDRN	ALDRN	EX571600	DV4S*121	UFVD	21-SEP-95	28-OCT-95	.0208	.0235	.00729	113.0	9.4
LH10	ALDRN	ALDRN	EX571600	DV4S*121	UFVD	21-SEP-95	28-OCT-95	.0208	.0214	.00729	102.9	9.4
LH10	ALDRN	ALDRN	EX570319	DV4S*147	UFXD	27-SEP-95	06-NOV-95	.0241	.0191	.00729	79.3	13.4
LH10	ALDRN	ALDRN	EX570319	DV4S*147	UFXD	27-SEP-95	06-NOV-95	.0241	.0167	.00729	69.3	13.4
LH10	ALDRN	ALDRN	DX570500	DV4S*191	UFUD	13-SEP-95	08-OCT-95	.0459	.0497	.00729	108.3	2.4
LH10	ALDRN	ALDRN	DX570500	DV4S*191	UFUD	13-SEP-95	08-OCT-95	.0459	.0485	.00729	105.7	2.4
LH10	ALDRN	ALDRN	DXZM0200	DV4S*391	UFQD	11-SEP-95	30-SEP-95	.0204	.0183	.00729	89.7	6.2
LH10	ALDRN	ALDRN	DXZM0200	DV4S*391	UFQD	11-SEP-95	30-SEP-95	.0204	.0172	.00729	84.3	6.2

		avg										
		minimum										
		maximum										
LH10	BENSLF	BENSLF	EX570506	DV4S*105	UFTD	19-SEP-95	18-OCT-95	.0205	.0141	.00663	68.8	8.9

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

MS/MSD

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value <	Original Sample Value	Units	Percent Recovery	RPD
	LH10	BENSLP	EX570506	DV4S*105	UFUD	19-SEP-95	18-OCT-95	.0205	.0129	<	.00663	UGG	8.9
	LH10	BENSLP	EX571502	DV4S*115	UFUD	21-SEP-95	20-OCT-95	.0265	.048	<	.00663	UGG	6.5
	LH10	BENSLP	EX571502	DV4S*115	UFUD	21-SEP-95	20-OCT-95	.0265	.045	<	.00663	UGG	6.5
	LH10	BENSLP	EX571600	DV4S*121	UFUD	21-SEP-95	28-OCT-95	.0208	.0213	<	.00663	UGG	102.4
	LH10	BENSLP	EX571600	DV4S*121	UFUD	21-SEP-95	28-OCT-95	.0208	.0162	<	.00663	UGG	27.2
	LH10	BENSLP	EX570319	DV4S*147	UFUD	27-SEP-95	06-NOV-95	.0241	.0156	<	.00663	UGG	3.9
	LH10	BENSLP	EX570319	DV4S*147	UFUD	27-SEP-95	06-NOV-95	.0241	.015	<	.00663	UGG	3.9
	LH10	BENSLP	DX570500	DV4S*191	UFUD	13-SEP-95	08-OCT-95	.0459	.047	<	.00663	UGG	2.2
	LH10	BENSLP	DX570500	DV4S*191	UFUD	13-SEP-95	08-OCT-95	.0459	.046	<	.00663	UGG	2.2
	LH10	BENSLP	DXZM0200	DV4S*391	UFUD	11-SEP-95	30-SEP-95	.0204	.0178	<	.00663	UGG	7.6
	LH10	BENSLP	DXZM0200	DV4S*391	UFUD	11-SEP-95	30-SEP-95	.0204	.0165	<	.00663	UGG	7.6

		avg											
		minimum											
		maximum											
	LH10	DLDNR	EX570506	DV4S*105	UFUD	19-SEP-95	18-OCT-95	.0205	.0151	<	.00629	UGG	9.0
	LH10	DLDNR	EX570506	DV4S*105	UFUD	19-SEP-95	18-OCT-95	.0205	.0138	<	.00629	UGG	9.0
	LH10	DLDNR	EX571502	DV4S*115	UFUD	21-SEP-95	20-OCT-95	.0265	.0195	<	.0115	UGG	26.7
	LH10	DLDNR	EX571502	DV4S*115	UFUD	21-SEP-95	20-OCT-95	.0265	.0149	<	.0115	UGG	26.7
	LH10	DLDNR	EX571600	DV4S*121	UFUD	21-SEP-95	28-OCT-95	.0208	.0172	<	.0127	UGG	3.6
	LH10	DLDNR	EX571600	DV4S*121	UFUD	21-SEP-95	28-OCT-95	.0208	.0166	<	.0127	UGG	3.6
	LH10	DLDNR	EX570319	DV4S*147	UFUD	27-SEP-95	06-NOV-95	.0241	.0193	<	.00629	UGG	4.2
	LH10	DLDNR	EX570319	DV4S*147	UFUD	27-SEP-95	06-NOV-95	.0241	.0185	<	.00629	UGG	4.2
	LH10	DLDNR	DX570500	DV4S*191	UFUD	13-SEP-95	08-OCT-95	.0459	.0518	<	.0183	UGG	4.3
	LH10	DLDNR	DX570500	DV4S*191	UFUD	13-SEP-95	08-OCT-95	.0459	.0496	<	.0183	UGG	4.3
	LH10	DLDNR	DXZM0200	DV4S*391	UFUD	11-SEP-95	30-SEP-95	.0204	.0211	<	.00629	UGG	11.0
	LH10	DLDNR	DXZM0200	DV4S*391	UFUD	11-SEP-95	30-SEP-95	.0204	.0189	<	.00629	UGG	11.0

		avg											
		minimum											
		maximum											
	LH10	ENDNR	EX570506	DV4S*105	UFUD	19-SEP-95	18-OCT-95	.0205	.0133	<	.00657	UGG	5.4
	LH10	ENDNR	EX570506	DV4S*105	UFUD	19-SEP-95	18-OCT-95	.0205	.0126	<	.00657	UGG	5.4
	LH10	ENDNR	EX571502	DV4S*115	UFUD	21-SEP-95	20-OCT-95	.0255	.0253	<	.00657	UGG	2.0
	LH10	ENDNR	EX571502	DV4S*115	UFUD	21-SEP-95	20-OCT-95	.0255	.0248	<	.00657	UGG	2.0

MS/MSD

Method Description		IRDMIS		Field		IRDMIS		Test		Lab		Sample		Analysis		Spike		Original		Percent	
		Method	Code	Sample	Field	Name	Number	Lot	Date	Number	Lot	Date	Value	Value	Units	Recovery	RPD				
LH10	ENDRN	ENDRN	EX571600	DV4S*121	UFVD	21-SEP-95	28-OCT-95	.0208	.0206	<	.00657	UGG	99.0	28.3							
	ENDRN	ENDRN	EX571600	DV4S*121	UFVD	21-SEP-95	28-OCT-95	.0208	.0155	<	.00657	UGG	74.5	28.3							
	ENDRN	ENDRN	EX570319	DV4S*147	UFXD	27-SEP-95	06-NOV-95	.0241	.0215	<	.00657	UGG	89.2	5.7							
	ENDRN	ENDRN	EX570319	DV4S*147	UFXD	27-SEP-95	06-NOV-95	.0241	.0203	<	.00657	UGG	84.2	5.7							
	ENDRN	ENDRN	DX570500	DV4S*191	UFRD	13-SEP-95	08-OCT-95	.0459	.0335	<	.00657	UGG	73.0	5.2							
	ENDRN	ENDRN	DX570500	DV4S*191	UFRD	13-SEP-95	08-OCT-95	.0459	.0318	<	.00657	UGG	69.3	5.2							
	ENDRN	ENDRN	DXZM0200	DV4S*391	UFQD	11-SEP-95	30-SEP-95	.0204	.0172	<	.00657	UGG	84.3	2.9							
	ENDRN	ENDRN	DXZM0200	DV4S*391	UFQD	11-SEP-95	30-SEP-95	.0204	.0167	<	.00657	UGG	81.9	2.9							

	avg																				
minimum																					
maximum																					
LH10	HPCL	HPCL	EX570506	DV4S*105	UFTD	19-SEP-95	18-OCT-95	.0205	.0169	<	.00618	UGG	82.4	7.4							
	HPCL	HPCL	EX570506	DV4S*105	UFTD	19-SEP-95	18-OCT-95	.0205	.0157	<	.00618	UGG	76.6	7.4							
	HPCL	HPCL	EX571502	DV4S*115	UFUD	21-SEP-95	20-OCT-95	.0265	.0227	<	.00618	UGG	85.7	28.1							
	HPCL	HPCL	EX571502	DV4S*115	UFUD	21-SEP-95	20-OCT-95	.0265	.0171	<	.00618	UGG	64.5	28.1							
	HPCL	HPCL	EX571600	DV4S*121	UFVD	21-SEP-95	28-OCT-95	.0208	.0217	<	.00618	UGG	104.3	10.7							
	HPCL	HPCL	EX571600	DV4S*121	UFVD	21-SEP-95	28-OCT-95	.0208	.0195	<	.00618	UGG	93.8	10.7							
	HPCL	HPCL	EX570319	DV4S*147	UFXD	27-SEP-95	06-NOV-95	.0241	.0191	<	.00618	UGG	79.3	13.4							
	HPCL	HPCL	EX570319	DV4S*147	UFXD	27-SEP-95	06-NOV-95	.0241	.0167	<	.00618	UGG	69.3	13.4							
	HPCL	HPCL	DX570500	DV4S*191	UFRD	13-SEP-95	08-OCT-95	.0459	.0487	<	.00618	UGG	106.1	4.0							
	HPCL	HPCL	DX570500	DV4S*191	UFRD	13-SEP-95	08-OCT-95	.0459	.0468	<	.00618	UGG	102.0	4.0							
LH10	HPCL	HPCL	DXZM0200	DV4S*391	UFQD	11-SEP-95	30-SEP-95	.0204	.0175	<	.00618	UGG	85.8	5.3							
	HPCL	HPCL	DXZM0200	DV4S*391	UFQD	11-SEP-95	30-SEP-95	.0204	.0166	<	.00618	UGG	81.4	5.3							

	avg																				
	minimum																				
	maximum																				
	LH10	ISODR	ISODR	EX570506	DV4S*105	UFTD	19-SEP-95	18-OCT-95	.0307	.0243	<	.00461	UGG	79.2	9.5						
		ISODR	ISODR	EX570506	DV4S*105	UFTD	19-SEP-95	18-OCT-95	.0307	.0221	<	.00461	UGG	72.0	9.5						
		ISODR	ISODR	EX571502	DV4S*115	UFUD	21-SEP-95	20-OCT-95	.0398	.0364	<	.00461	UGG	91.5	18.6						
		ISODR	ISODR	EX571502	DV4S*115	UFUD	21-SEP-95	20-OCT-95	.0398	.0302	<	.00461	UGG	75.9	18.6						
ISODR		ISODR	EX571600	DV4S*121	UFVD	21-SEP-95	28-OCT-95	.0312	.0352	<	.00461	UGG	112.8	2.6							
ISODR		ISODR	EX571600	DV4S*121	UFVD	21-SEP-95	28-OCT-95	.0312	.0343	<	.00461	UGG	109.9	2.6							
LH10	ISODR	ISODR	EX570319	DV4S*147	UFXD	27-SEP-95	06-NOV-95	.0361	.0283	<	.00461	UGG	78.4	5.8							

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

MS/MSD

Method Description	IRDMIS Method Code	Test Name	IRDMIS			Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value <	Original Sample Value Units	Percent Recovery	RPD
			Field Sample Number	Field Sample Number	Field Sample Number									
LH10	ISODR	ISODR	EX570319	EX570319	EX570319	DV4S*147	UFXD	27-SEP-95	06-NOV-95	.0361	.0267	.00461	U3G	5.8
			DX570500	DX570500	DX570500	DV4S*191	UFUD	13-SEP-95	08-OCT-95	.0688	.0675	.00461	U3G	5.2
			EX570500	EX570500	EX570500	DV4S*191	UFUD	13-SEP-95	08-OCT-95	.0688	.0641	.00461	U3G	5.2
			DX2W0200	DX2W0200	DX2W0200	DV4S*391	UFQD	11-SEP-95	30-SEP-95	.0305	.0265	.00461	U3G	.4
LH10	ISODR	ISODR	DX2W0200	DX2W0200	DX2W0200	DV4S*391	UFQD	11-SEP-95	30-SEP-95	.0305	.0264	.00461	U3G	.4

		avg												
		minimum												
		maximum												
LH10	LIN	LIN	EX570506	EX570506	EX570506	DV4S*105	UFUD	19-SEP-95	18-OCT-95	.0205	.0122	.00638	U3G	11.3
			EX570506	EX570506	EX570506	DV4S*105	UFUD	19-SEP-95	18-OCT-95	.0205	.0109	.00638	U3G	11.3
			EX571502	EX571502	EX571502	DV4S*115	UFUD	21-SEP-95	20-OCT-95	.0265	.0188	.00638	U3G	5.5
			EX571502	EX571502	EX571502	DV4S*115	UFUD	21-SEP-95	20-OCT-95	.0265	.0178	.00638	U3G	5.5
LH10	LIN	LIN	EX571600	EX571600	EX571600	DV4S*121	UFVD	21-SEP-95	28-OCT-95	.0208	.0195	.00638	U3G	9.7
LH10	LIN	LIN	EX570319	EX570319	EX570319	DV4S*147	UFXD	27-SEP-95	06-NOV-95	.0241	.0162	.00638	U3G	9.7
LH10	LIN	LIN	EX570319	EX570319	EX570319	DV4S*147	UFXD	27-SEP-95	06-NOV-95	.0241	.0139	.00638	U3G	15.3
LH10	LIN	LIN	DX570500	DX570500	DX570500	DV4S*191	UFUD	13-SEP-95	08-OCT-95	.0459	.0423	.00638	U3G	8.9
LH10	LIN	LIN	DX570500	DX570500	DX570500	DV4S*191	UFUD	13-SEP-95	08-OCT-95	.0459	.0387	.00638	U3G	8.9
LH10	LIN	LIN	DX2W0200	DX2W0200	DX2W0200	DV4S*391	UFQD	11-SEP-95	30-SEP-95	.0204	.0169	.00638	U3G	7.4
LH10	LIN	LIN	DX2W0200	DX2W0200	DX2W0200	DV4S*391	UFQD	11-SEP-95	30-SEP-95	.0204	.0157	.00638	U3G	7.4

		avg												
		minimum												
		maximum												
LH10	MEXCLR	MEXCLR	EX570506	EX570506	EX570506	DV4S*105	UFUD	19-SEP-95	18-OCT-95	.205	.121	.0711	U3G	3.4
			EX570506	EX570506	EX570506	DV4S*105	UFUD	19-SEP-95	18-OCT-95	.205	.117	.0711	U3G	3.4
			EX571502	EX571502	EX571502	DV4S*115	UFUD	21-SEP-95	20-OCT-95	.265	.102	.0711	U3G	13.6
			EX571502	EX571502	EX571502	DV4S*115	UFUD	21-SEP-95	20-OCT-95	.265	.089	.0711	U3G	13.6
LH10	MEXCLR	MEXCLR	EX571600	EX571600	EX571600	DV4S*121	UFVD	21-SEP-95	28-OCT-95	.208	.197	.0711	U3G	7.9
LH10	MEXCLR	MEXCLR	EX571600	EX571600	EX571600	DV4S*121	UFVD	21-SEP-95	28-OCT-95	.208	.182	.0711	U3G	7.9
LH10	MEXCLR	MEXCLR	EX570319	EX570319	EX570319	DV4S*147	UFXD	27-SEP-95	06-NOV-95	.241	.226	.0711	U3G	.4
LH10	MEXCLR	MEXCLR	EX570319	EX570319	EX570319	DV4S*147	UFXD	27-SEP-95	06-NOV-95	.241	.225	.0711	U3G	.4
LH10	MEXCLR	MEXCLR	DX570500	DX570500	DX570500	DV4S*191	UFUD	13-SEP-95	08-OCT-95	.459	.466	.0711	U3G	1.1
LH10	MEXCLR	MEXCLR	DX570500	DX570500	DX570500	DV4S*191	UFUD	13-SEP-95	08-OCT-95	.459	.461	.0711	U3G	1.1

MS/MSD

	avg
	minimum
	maximum

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

MS/MSD

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value <	Original Sample Value	Percent Recovery	RPD

		avg									76.1	
		minimum									56.4	
		maximum									91.0	

	LH16	PCB260	EX570506	DV48*105 NGYE	19-SRP-95	10-OCT-95		.273	.316 <	.0804 UGG	115.8	41.7
	LH16	PCB260	EX570506	DV48*105 NGYE	19-SRP-95	10-OCT-95		.273	.207 <	.0804 UGG	75.8	41.7
	LH16	PCB260	EX571502	DV48*115 NGZE	21-SRP-95	21-OCT-95		.354	.8	7.3 UGG	226.0	0.0
	LH16	PCB260	EX571502	DV48*115 NGZE	21-SRP-95	21-OCT-95		.354	.8	7.3 UGG	226.0	0.0
	LH16	PCB260	EX572500	DV48*125 NGAP	22-SRP-95	03-NOV-95		.276	.208 <	.0804 UGG	75.4	8.0
	LH16	PCB260	EX572500	DV48*125 NGAP	22-SRP-95	03-NOV-95		.276	.192 <	.0804 UGG	69.6	8.0
	LH16	PCB260	EX570319	DV48*147 NGCF	27-SRP-95	02-NOV-95		.321	.373 <	.0804 UGG	116.2	22.0
	LH16	PCB260	EX570319	DV48*147 NGCF	27-SRP-95	02-NOV-95		.321	.299 <	.0804 UGG	93.1	22.0
	LH16	PCB260	DX570500	DV48*191 NGWE	13-SRP-95	06-OCT-95		.612	.625	.301 UGG	102.1	50.8
	LH16	PCB260	DX570500	DV48*191 NGWE	13-SRP-95	06-OCT-95		.612	.372	.301 UGG	60.8	50.8
	LH16	PCB260	DX2W0200	DV48*391 NGVE	11-SRP-95	03-OCT-95		.271	.276 <	.0804 UGG	101.8	.4
	LH16	PCB260	DX2W0200	DV48*391 NGVE	11-SRP-95	03-OCT-95		.271	.275 <	.0804 UGG	101.5	.4

		avg									113.7	
		minimum									60.8	
		maximum									226.0	

HG IN WATER BY CVAA	SB01	HG	MX5701X1	DV4P*167 QJZC	30-OCT-95	24-NOV-95		4	3.82 <	.243 UGL	95.5	1.1
HG IN WATER BY CVAA	SB01	HG	MX5701X1	DV4P*167 QJZC	30-OCT-95	24-NOV-95		4	3.78 <	.243 UGL	94.5	1.1
HG IN WATER BY CVAA	SB01	HG	MX5705X1	DV4P*175 QJAD	02-NOV-95	29-NOV-95		4	3.93 <	.243 UGL	98.3	4.7
HG IN WATER BY CVAA	SB01	HG	MX5705X1	DV4P*175 QJAD	02-NOV-95	29-NOV-95		4	3.75 <	.243 UGL	93.8	4.7
HG IN WATER BY CVAA	SB01	HG	MX5705XX	DV4P*204 QJRC	13-SRP-95	06-OCT-95		4	3.61 <	.243 UGL	90.3	1.4
HG IN WATER BY CVAA	SB01	HG	MX5705XX	DV4P*204 QJRC	13-SRP-95	06-OCT-95		4	3.56 <	.243 UGL	89.0	1.4
HG IN WATER BY CVAA	SB01	HG	MX5701X1	DV4W*167 QJZC	30-OCT-95	24-NOV-95		4	2.91 <	.243 UGL	72.8	2.8
HG IN WATER BY CVAA	SB01	HG	MX5701X1	DV4W*167 QJZC	30-OCT-95	24-NOV-95		4	2.83 <	.243 UGL	70.8	2.8
HG IN WATER BY CVAA	SB01	HG	MX5705X1	DV4W*175 QJAD	02-NOV-95	29-NOV-95		4	3.93 <	.243 UGL	98.3	1.3
HG IN WATER BY CVAA	SB01	HG	MX5705X1	DV4W*175 QJAD	02-NOV-95	29-NOV-95		4	3.88 <	.243 UGL	97.0	1.3
HG IN WATER BY CVAA	SB01	HG	MX5705XX	DV4W*204 QJRC	13-SRP-95	06-OCT-95		4	3.51 <	.243 UGL	87.8	9.9
HG IN WATER BY CVAA	SB01	HG	MX5705XX	DV4W*204 QJRC	13-SRP-95	06-OCT-95		4	3.18 <	.243 UGL	79.5	9.9
HG IN WATER BY CVAA	SB01	HG	MX2W10X3	DV4W*271 QJCD	02-NOV-95	28-NOV-95		4	4.25 <	.243 UGL	106.3	14.1
HG IN WATER BY CVAA	SB01	HG	MX2W10X3	DV4W*271 QJCD	02-NOV-95	28-NOV-95		4	3.69 <	.243 UGL	92.3	14.1

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

MS/MSD

IRDMIS Method Code	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value <	Original Sample Value	Percent Recovery	RPD

avg										
minimum										
maximum										
SD09	TL	MX5701X1	DV4P*167	UCNE	30-OCT-95	27-NOV-95	10	11.7	6.99	117.0
SD09	TL	MX5701X1	DV4P*167	UCNE	30-OCT-95	27-NOV-95	10	10.4	6.99	104.0
SD09	TL	MX5703X1	DV4P*171	UCNE	02-NOV-95	01-DEC-95	10	11.8	6.99	118.0
SD09	TL	MX5703X1	DV4P*171	UCNE	02-NOV-95	01-DEC-95	10	12	6.99	120.0
SD09	TL	MX5705XX	DV4P*204	UCHE	13-SEP-95	09-OCT-95	10	9.4	6.99	94.0
SD09	TL	MX5705XX	DV4P*204	UCHE	13-SEP-95	09-OCT-95	10	7.7	6.99	77.0
SD09	TL	MX5705XX	DV4P*233	UCME	31-OCT-95	27-NOV-95	10	10.6	6.99	106.0
SD09	TL	MX5701X1	DV4P*233	UCME	31-OCT-95	27-NOV-95	10	11	6.99	110.0
SD09	TL	MX5701X1	DV4P*271	UCPE	02-NOV-95	30-NOV-95	10	10.2	6.99	102.0
SD09	TL	MX5701X1	DV4P*271	UCPE	02-NOV-95	30-NOV-95	10	9.9	6.99	99.0
SD09	TL	MX5701X1	DV4W*167	UCNE	30-OCT-95	27-NOV-95	10	11.6	6.99	116.0
SD09	TL	MX5701X1	DV4W*167	UCNE	30-OCT-95	27-NOV-95	10	11.6	6.99	116.0
SD09	TL	MX5703X1	DV4W*171	UCNE	02-NOV-95	01-DEC-95	10	12.3	6.99	123.0
SD09	TL	MX5703X1	DV4W*171	UCNE	02-NOV-95	01-DEC-95	10	11.9	6.99	119.0
SD09	TL	MX5705XX	DV4W*204	UCHE	13-SEP-95	09-OCT-95	10	9.1	6.99	91.0
SD09	TL	MX5705XX	DV4W*204	UCHE	13-SEP-95	09-OCT-95	10	8.9	6.99	89.0
SD09	TL	MX5705XX	DV4W*233	UCME	31-OCT-95	27-NOV-95	10	10.6	6.99	106.0
SD09	TL	MX5705XX	DV4W*233	UCME	31-OCT-95	27-NOV-95	10	11	6.99	110.0
SD09	TL	MX2W10X3	DV4W*271	UCPE	02-NOV-95	30-NOV-95	10	10.1	6.99	101.0
SD09	TL	MX2W10X3	DV4W*271	UCPE	02-NOV-95	30-NOV-95	10	9.4	6.99	94.0

avg										
minimum										
maximum										
SD20	PB	MX5701X1	DV4P*167	MCVP	30-OCT-95	28-NOV-95	40	34.8	1.41	87.0
SD20	PB	MX5701X1	DV4P*167	MCVP	30-OCT-95	28-NOV-95	40	34.8	1.41	87.0
SD20	PB	MX5703X1	DV4P*171	MCWF	02-NOV-95	01-DEC-95	40	38.6	2.39	96.5
SD20	PB	MX5703X1	DV4P*171	MCWF	02-NOV-95	01-DEC-95	40	37.6	2.39	94.0
SD20	PB	MX5705XX	DV4P*204	MCPE	13-SEP-95	09-OCT-95	40	39.3	1.26	98.3

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

MS/MSD

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample			Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value <	Original Sample		Percent Recovery	RPD
			Number	Field Sample Number	Analysis							Value	Units		
PB IN WATER BY GPAA	SD20	PB	MX5705XX	MX5705XX	09-OCT-95	DV4P*204	WCYP	13-SEP-95	09-OCT-95	40	38.1	1.26	UGL	95.3	3.1
PB IN WATER BY GPAA	SD20	PB	MX5705XX	MX5705XX	28-NOV-95	DV4P*233	WCYP	31-OCT-95	28-NOV-95	40	34.5	1.26	UGL	86.3	1.2
PB IN WATER BY GPAA	SD20	PB	MX5705XX	MX5705XX	28-NOV-95	DV4P*233	WCYP	31-OCT-95	28-NOV-95	40	34.1	1.26	UGL	85.3	1.2
PB IN WATER BY GPAA	SD20	PB	MX5705XX	MX5705XX	30-NOV-95	DV4P*271	WCYP	02-NOV-95	30-NOV-95	40	40.1	1.26	UGL	100.3	3.0
PB IN WATER BY GPAA	SD20	PB	MX5705XX	MX5705XX	30-NOV-95	DV4P*271	WCYP	02-NOV-95	30-NOV-95	40	38.9	1.26	UGL	97.3	3.0
PB IN WATER BY GPAA	SD20	PB	MX5705XX	MX5705XX	28-NOV-95	DV4W*167	WCYP	30-OCT-95	28-NOV-95	40	37.3	8.46	UGL	93.3	4.1
PB IN WATER BY GPAA	SD20	PB	MX5705XX	MX5705XX	28-NOV-95	DV4W*167	WCYP	30-OCT-95	28-NOV-95	40	35.8	8.46	UGL	89.5	4.1
PB IN WATER BY GPAA	SD20	PB	MX5705XX	MX5705XX	01-DEC-95	DV4W*171	WCYP	02-NOV-95	01-DEC-95	40	42.7	1.26	UGL	106.8	1.7
PB IN WATER BY GPAA	SD20	PB	MX5705XX	MX5705XX	01-DEC-95	DV4W*171	WCYP	02-NOV-95	01-DEC-95	40	42	1.26	UGL	105.0	1.7
PB IN WATER BY GPAA	SD20	PB	MX5705XX	MX5705XX	09-OCT-95	DV4W*204	WCYP	13-SEP-95	09-OCT-95	40	39.1	1.26	UGL	97.8	.5
PB IN WATER BY GPAA	SD20	PB	MX5705XX	MX5705XX	09-OCT-95	DV4W*204	WCYP	13-SEP-95	09-OCT-95	40	38.9	1.26	UGL	97.3	.5
PB IN WATER BY GPAA	SD20	PB	MX5705XX	MX5705XX	28-NOV-95	DV4W*233	WCYP	31-OCT-95	28-NOV-95	40	37.1	1.26	UGL	92.8	1.9
PB IN WATER BY GPAA	SD20	PB	MX5705XX	MX5705XX	28-NOV-95	DV4W*233	WCYP	31-OCT-95	28-NOV-95	40	36.4	1.26	UGL	91.0	1.9
PB IN WATER BY GPAA	SD20	PB	MX5705XX	MX5705XX	30-NOV-95	DV4W*271	WCYP	02-NOV-95	30-NOV-95	40	36.2	3.36	UGL	90.5	1.7
PB IN WATER BY GPAA	SD20	PB	MX5705XX	MX5705XX	30-NOV-95	DV4W*271	WCYP	02-NOV-95	30-NOV-95	40	35.6	3.36	UGL	89.0	1.7

avg															
minimum															
maximum															
SE IN WATER BY GPAA	SD21	SE	MX5701X1	MX5701X1	28-NOV-95	DV4P*167	KCNF	30-OCT-95	28-NOV-95	37.5	36.5	3.02	UGL	97.3	4.0
SE IN WATER BY GPAA	SD21	SE	MX5701X1	MX5701X1	28-NOV-95	DV4P*167	KCNF	30-OCT-95	28-NOV-95	37.5	38	3.02	UGL	101.3	4.0
SE IN WATER BY GPAA	SD21	SE	MX5703X1	MX5703X1	30-NOV-95	DV4P*171	KCOF	02-NOV-95	30-NOV-95	37.5	37.9	3.02	UGL	101.1	6.5
SE IN WATER BY GPAA	SD21	SE	MX5703X1	MX5703X1	30-NOV-95	DV4P*171	KCOF	02-NOV-95	30-NOV-95	37.5	35.5	3.02	UGL	94.7	6.5
SE IN WATER BY GPAA	SD21	SE	MX5705XX	MX5705XX	10-OCT-95	DV4P*204	KCIF	13-SEP-95	10-OCT-95	37.5	35.2	3.02	UGL	100.5	6.9
SE IN WATER BY GPAA	SD21	SE	MX5705XX	MX5705XX	28-NOV-95	DV4P*233	KCNF	31-OCT-95	28-NOV-95	37.5	37.6	3.02	UGL	100.3	1.6
SE IN WATER BY GPAA	SD21	SE	MX5703X1	MX5703X1	28-NOV-95	DV4P*233	KCNF	31-OCT-95	28-NOV-95	37.5	37	3.02	UGL	98.7	1.6
SE IN WATER BY GPAA	SD21	SE	MX5703X1	MX5703X1	30-NOV-95	DV4P*271	KCOF	02-NOV-95	30-NOV-95	37.5	33.6	3.02	UGL	89.6	.6
SE IN WATER BY GPAA	SD21	SE	MX5703X1	MX5703X1	30-NOV-95	DV4P*271	KCOF	02-NOV-95	30-NOV-95	37.5	33.4	3.02	UGL	89.1	.6
SE IN WATER BY GPAA	SD21	SE	MX5701X1	MX5701X1	27-NOV-95	DV4W*167	KCNF	30-OCT-95	27-NOV-95	37.5	37.8	3.02	UGL	100.8	1.1
SE IN WATER BY GPAA	SD21	SE	MX5701X1	MX5701X1	30-NOV-95	DV4W*167	KCNF	30-OCT-95	30-NOV-95	37.5	37.4	3.02	UGL	99.7	1.1
SE IN WATER BY GPAA	SD21	SE	MX5703X1	MX5703X1	30-NOV-95	DV4W*171	KCOF	02-NOV-95	30-NOV-95	37.5	36.1	3.02	UGL	96.3	.6
SE IN WATER BY GPAA	SD21	SE	MX5703X1	MX5703X1	30-NOV-95	DV4W*171	KCOF	02-NOV-95	30-NOV-95	37.5	35.9	3.02	UGL	95.7	.6
SE IN WATER BY GPAA	SD21	SE	MX5705XX	MX5705XX	09-OCT-95	DV4W*204	KCIF	13-SEP-95	09-OCT-95	37.5	36.7	3.02	UGL	97.9	1.1
SE IN WATER BY GPAA	SD21	SE	MX5705XX	MX5705XX	09-OCT-95	DV4W*204	KCIF	13-SEP-95	09-OCT-95	37.5	36.3	3.02	UGL	96.8	1.1

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

MS/MSD

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Original Sample			RPD
									Value <	Units	Percent Recovery	
SE IN WATER BY GPAA	SD21	SE	MXAX02X1	DV4W*233	XCNF	31-OCT-95	27-NOV-95	37.5	37.5	UGL	100.0	1.1
SE IN WATER BY GPAA	SD21	SE	MXAX02X1	DV4W*233	XCNF	31-OCT-95	27-NOV-95	37.5	37.1	UGL	98.9	1.1
SE IN WATER BY GPAA	SD21	SE	MXZW10X3	DV4W*271	XQCP	02-NOV-95	30-NOV-95	37.5	34.8	UGL	92.8	4.7
SE IN WATER BY GPAA	SD21	SE	MXZW10X3	DV4W*271	XQCP	02-NOV-95	30-NOV-95	37.5	33.2	UGL	88.5	4.7

avg												
minimum												
maximum												
AS IN WATER BY GPAA	SD22	AS	MX5701X1	DV4P*167	YCRF	30-OCT-95	29-NOV-95	37.5	39.4	UGL	105.1	4.4
AS IN WATER BY GPAA	SD22	AS	MX5701X1	DV4P*167	YCRF	30-OCT-95	29-NOV-95	37.5	37.7	UGL	100.5	4.4
AS IN WATER BY GPAA	SD22	AS	MX5703X1	DV4P*171	YCSF	02-NOV-95	30-NOV-95	37.5	46	UGL	122.7	6.7
AS IN WATER BY GPAA	SD22	AS	MX5703X1	DV4P*171	YCSF	02-NOV-95	30-NOV-95	37.5	43	UGL	114.7	6.7
AS IN WATER BY GPAA	SD22	AS	MX5705XX	DV4P*204	YCNF	13-SEP-95	09-OCT-95	37.5	37.2	UGL	99.2	2.7
AS IN WATER BY GPAA	SD22	AS	MX5705XX	DV4P*204	YCNF	13-SEP-95	09-OCT-95	37.5	36.2	UGL	96.5	2.7
AS IN WATER BY GPAA	SD22	AS	MXAX02X1	DV4P*233	YCRF	31-OCT-95	30-NOV-95	37.5	41.8	UGL	111.5	2.9
AS IN WATER BY GPAA	SD22	AS	MXAX02X1	DV4P*233	YCRF	31-OCT-95	30-NOV-95	37.5	40.6	UGL	108.3	2.9
AS IN WATER BY GPAA	SD22	AS	MXZW10X3	DV4P*271	YCUF	02-NOV-95	30-NOV-95	37.5	48	UGL	128.0	4.3
AS IN WATER BY GPAA	SD22	AS	MXZW10X3	DV4P*271	YCUF	02-NOV-95	30-NOV-95	37.5	46	UGL	122.7	4.3
AS IN WATER BY GPAA	SD22	AS	MX5701X1	DV4W*167	YCRF	30-OCT-95	29-NOV-95	37.5	40.2	UGL	107.2	2.8
AS IN WATER BY GPAA	SD22	AS	MX5701X1	DV4W*167	YCRF	30-OCT-95	29-NOV-95	37.5	39.1	UGL	104.3	2.8
AS IN WATER BY GPAA	SD22	AS	MX5703X1	DV4W*171	YCSF	02-NOV-95	30-NOV-95	37.5	45	UGL	120.0	0.0
AS IN WATER BY GPAA	SD22	AS	MX5703X1	DV4W*171	YCSF	02-NOV-95	30-NOV-95	37.5	45	UGL	120.0	0.0
AS IN WATER BY GPAA	SD22	AS	MX5705XX	DV4W*204	YCNF	13-SEP-95	09-OCT-95	37.5	36.7	UGL	97.9	3.6
AS IN WATER BY GPAA	SD22	AS	MX5705XX	DV4W*204	YCNF	13-SEP-95	09-OCT-95	37.5	35.4	UGL	94.4	3.6
AS IN WATER BY GPAA	SD22	AS	MXAX02X1	DV4W*233	YCRF	31-OCT-95	30-NOV-95	37.5	39.1	UGL	104.3	.5
AS IN WATER BY GPAA	SD22	AS	MXAX02X1	DV4W*233	YCRF	31-OCT-95	30-NOV-95	37.5	38.9	UGL	103.7	.5
AS IN WATER BY GPAA	SD22	AS	MXZW10X3	DV4W*271	YCUF	02-NOV-95	30-NOV-95	37.5	45	UGL	120.0	11.8
AS IN WATER BY GPAA	SD22	AS	MXZW10X3	DV4W*271	YCUF	02-NOV-95	30-NOV-95	37.5	40	UGL	106.7	11.8

avg												
minimum												
maximum												
SB IN WATER BY GPAA	SD28	SB	MX5701X1	DV4P*167	NEWD	30-OCT-95	29-NOV-95	80	77.4	UGL	96.8	.9

109.4
94.4
128.0

MS/MS

IRDMIS Method Code	IRDMIS Field	Test Name	IRDMIS Sample			Analysis Date	Spike Value	Value <	Original Sample		Percent Recovery	RPD
			Number	Lot	Date				Value	Units		
SD28	SB	SB IN WATER BY GPAA	MX5701X1	DVAF*167	NPMD	30-OCT-95	80	76.7	<	3.03	UGL	95.9
SD28	SB	SB IN WATER BY GPAA	MX5703X1	DVAF*171	NPXD	02-NOV-95	80	67.5	<	3.03	UGL	84.4
SD28	SB	SB IN WATER BY GPAA	MX5703X1	DVAF*171	NPXD	02-NOV-95	80	59.6	<	3.03	UGL	74.5
SD28	SB	SB IN WATER BY GPAA	MX5705XX	DVAF*204	NPRD	13-SEP-95	80	74.9	<	3.03	UGL	93.6
SD28	SB	SB IN WATER BY GPAA	MX5705XX	DVAF*204	NPRD	13-SEP-95	80	73.8	<	3.03	UGL	92.3
SD28	SB	SB IN WATER BY GPAA	MXAX02X1	DVAF*233	NPMD	31-OCT-95	80	72.1	<	3.03	UGL	90.1
SD28	SB	SB IN WATER BY GPAA	MXAX02X1	DVAF*233	NPMD	31-OCT-95	80	73	<	3.03	UGL	91.3
SD28	SB	SB IN WATER BY GPAA	MXZM10X3	DVAF*271	NPZD	02-NOV-95	80	73.6	<	3.03	UGL	92.0
SD28	SB	SB IN WATER BY GPAA	MXZM10X3	DVAF*271	NPZD	02-NOV-95	80	73.1	<	3.03	UGL	91.4
SD28	SB	SB IN WATER BY GPAA	MX5701X1	DVAF*167	NPMD	30-OCT-95	80	71.7	<	3.03	UGL	89.6
SD28	SB	SB IN WATER BY GPAA	MX5701X1	DVAF*167	NPMD	30-OCT-95	80	66.1	<	3.03	UGL	82.6
SD28	SB	SB IN WATER BY GPAA	MX5703X1	DVAF*171	NPXD	02-NOV-95	80	62.6	<	3.03	UGL	78.3
SD28	SB	SB IN WATER BY GPAA	MX5703X1	DVAF*171	NPXD	02-NOV-95	80	69	<	3.03	UGL	86.3
SD28	SB	SB IN WATER BY GPAA	MX5705XX	DVAF*204	NPRD	13-SEP-95	80	71.2	<	3.03	UGL	89.0
SD28	SB	SB IN WATER BY GPAA	MX5705XX	DVAF*204	NPRD	13-SEP-95	80	64.3	<	3.03	UGL	80.4
SD28	SB	SB IN WATER BY GPAA	MXAX02X1	DVAF*233	NPMD	31-OCT-95	80	72.6	<	3.03	UGL	90.8
SD28	SB	SB IN WATER BY GPAA	MXAX02X1	DVAF*233	NPMD	31-OCT-95	80	60.9	<	3.03	UGL	76.1
SD28	SB	SB IN WATER BY GPAA	MXZM10X3	DVAF*271	NPZD	02-NOV-95	80	72.8	<	3.03	UGL	91.0
SD28	SB	SB IN WATER BY GPAA	MXZM10X3	DVAF*271	NPZD	02-NOV-95	80	70.4	<	3.03	UGL	88.0

		avg										87.7
		minimum										74.5
		maximum										96.8
SS10	AG	METALS IN WATER BY ICAP	MX5701X1	DVAF*167	ZFSP	30-OCT-95	50	48.7	<	4.6	UGL	97.4
SS10	AG	METALS IN WATER BY ICAP	MX5701X1	DVAF*167	ZFSP	30-OCT-95	50	48.3	<	4.6	UGL	96.6
SS10	AG	METALS IN WATER BY ICAP	MX5705XX	DVAF*204	ZFLF	13-SEP-95	50	49.2	<	4.6	UGL	98.4
SS10	AG	METALS IN WATER BY ICAP	MX5705XX	DVAF*204	ZFLF	13-SEP-95	50	45.9	<	4.6	UGL	91.8
SS10	AG	METALS IN WATER BY ICAP	MXAX02X1	DVAF*233	ZFSP	31-OCT-95	50	49.6	<	4.6	UGL	99.2
SS10	AG	METALS IN WATER BY ICAP	MXAX02X1	DVAF*233	ZFSP	31-OCT-95	50	47.7	<	4.6	UGL	95.4
SS10	AG	METALS IN WATER BY ICAP	MXZM10X3	DVAF*271	ZFVF	02-NOV-95	50	48.2	<	4.6	UGL	96.4
SS10	AG	METALS IN WATER BY ICAP	MXZM10X3	DVAF*271	ZFVF	02-NOV-95	50	47	<	4.6	UGL	94.0
SS10	AG	METALS IN WATER BY ICAP	MXAX08B1	DVAF*451	ZFTF	03-NOV-95	50	54.1	<	4.6	UGL	108.2
SS10	AG	METALS IN WATER BY ICAP	MXAX08B1	DVAF*451	ZFTF	03-NOV-95	50	52	<	4.6	UGL	104.0
SS10	AG	METALS IN WATER BY ICAP	MX5701X1	DVAF*167	ZFSP	30-OCT-95	50	52.5	<	4.6	UGL	105.0
SS10	AG	METALS IN WATER BY ICAP	MX5701X1	DVAF*167	ZFSP	30-OCT-95	50	50.3	<	4.6	UGL	100.6

MS/MSD

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Number	Lab		Sample Date	Analysis Date	Spike Value	Value <	Original Sample		Percent Recovery	RPD	
				Number	Lot					Value	Units			
METALS IN WATER BY ICAP	SS10	AG	MX5705XX	DV4W*204	ZPLF	13-SEP-95	03-OCT-95	50	50.4	<	4.6	UGL	100.8	5.3
METALS IN WATER BY ICAP	SS10	AG	MX5705XX	DV4W*204	ZPLF	13-SEP-95	03-OCT-95	50	47.8	<	4.6	UGL	95.6	5.3
METALS IN WATER BY ICAP	SS10	AG	MXAX02X1	DV4W*233	ZFSF	31-OCT-95	27-NOV-95	50	49.5	<	4.6	UGL	99.0	.4
METALS IN WATER BY ICAP	SS10	AG	MXAX02X1	DV4W*233	ZFSF	31-OCT-95	27-NOV-95	50	49.3	<	4.6	UGL	98.6	.4
METALS IN WATER BY ICAP	SS10	AG	MX2W10X3	DV4W*271	ZFVF	02-NOV-95	27-NOV-95	50	48.7	<	4.6	UGL	97.4	0.0
METALS IN WATER BY ICAP	SS10	AG	MX2W10X3	DV4W*271	ZFVF	02-NOV-95	27-NOV-95	50	48.7	<	4.6	UGL	97.4	0.0
METALS IN WATER BY ICAP	SS10	AG	MXAX08B1	DV4W*451	ZFTF	03-NOV-95	28-NOV-95	50	48.6	<	4.6	UGL	97.2	4.8
METALS IN WATER BY ICAP	SS10	AG	MXAX08B1	DV4W*451	ZFTF	03-NOV-95	28-NOV-95	50	51	<	4.6	UGL	102.0	4.8

		avg												
		minimum											98.8	
		maximum											91.8	
													108.2	
METALS IN WATER BY ICAP	SS10	AL	MX5701X1	DV4P*167	ZFSF	30-OCT-95	27-NOV-95	2000	2040	<	141	UGL	102.0	3.0
METALS IN WATER BY ICAP	SS10	AL	MX5701X1	DV4P*167	ZFSF	30-OCT-95	27-NOV-95	2000	1980	<	141	UGL	99.0	3.0
METALS IN WATER BY ICAP	SS10	AL	MX5705XX	DV4P*204	ZPLF	13-SEP-95	03-OCT-95	2000	1990	<	141	UGL	99.5	1.5
METALS IN WATER BY ICAP	SS10	AL	MX5705XX	DV4P*204	ZPLF	13-SEP-95	03-OCT-95	2000	1960	<	141	UGL	98.0	1.5
METALS IN WATER BY ICAP	SS10	AL	MXAX02X1	DV4P*233	ZFSF	31-OCT-95	27-NOV-95	2000	2000	<	141	UGL	100.0	1.5
METALS IN WATER BY ICAP	SS10	AL	MXAX02X1	DV4P*233	ZFSF	31-OCT-95	27-NOV-95	2000	1970	<	141	UGL	98.5	1.5
METALS IN WATER BY ICAP	SS10	AL	MX2W10X3	DV4P*271	ZFVF	02-NOV-95	27-NOV-95	2000	1980	<	141	UGL	99.0	.5
METALS IN WATER BY ICAP	SS10	AL	MX2W10X3	DV4P*271	ZFVF	02-NOV-95	27-NOV-95	2000	1970	<	141	UGL	98.5	.5
METALS IN WATER BY ICAP	SS10	AL	MXAX08B1	DV4P*451	ZFTF	03-NOV-95	28-NOV-95	2000	2090	<	141	UGL	104.5	1.9
METALS IN WATER BY ICAP	SS10	AL	MXAX08B1	DV4P*451	ZFTF	03-NOV-95	28-NOV-95	2000	2050	<	141	UGL	102.5	1.9
METALS IN WATER BY ICAP	SS10	AL	MX5701X1	DV4P*167	ZFSF	30-OCT-95	27-NOV-95	2000	2180	<	4180	UGL	109.0	2.8
METALS IN WATER BY ICAP	SS10	AL	MX5701X1	DV4W*167	ZFSF	30-OCT-95	27-NOV-95	2000	2120	<	4180	UGL	106.0	2.8
METALS IN WATER BY ICAP	SS10	AL	MX5705XX	DV4W*204	ZPLF	13-SEP-95	03-OCT-95	2000	2010	<	185	UGL	100.5	.5
METALS IN WATER BY ICAP	SS10	AL	MX5705XX	DV4W*204	ZPLF	13-SEP-95	03-OCT-95	2000	2000	<	185	UGL	100.0	.5
METALS IN WATER BY ICAP	SS10	AL	MXAX02X1	DV4W*233	ZFSF	31-OCT-95	27-NOV-95	2000	1970	<	195	UGL	98.5	2.1
METALS IN WATER BY ICAP	SS10	AL	MXAX02X1	DV4W*233	ZFSF	31-OCT-95	27-NOV-95	2000	1930	<	195	UGL	96.5	2.1
METALS IN WATER BY ICAP	SS10	AL	MX2W10X3	DV4W*271	ZFVF	02-NOV-95	27-NOV-95	2000	2020	<	141	UGL	101.0	2.0
METALS IN WATER BY ICAP	SS10	AL	MX2W10X3	DV4W*271	ZFVF	02-NOV-95	27-NOV-95	2000	1980	<	141	UGL	99.0	2.0
METALS IN WATER BY ICAP	SS10	AL	MXAX08B1	DV4W*451	ZFTF	03-NOV-95	28-NOV-95	2000	1770	<	4650	UGL	88.5	2.3
METALS IN WATER BY ICAP	SS10	AL	MXAX08B1	DV4W*451	ZFTF	03-NOV-95	28-NOV-95	2000	1730	<	4650	UGL	86.5	2.3

		avg											99.4	
		minimum											86.5	
		maximum											109.0	

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

MS/MSD

IRDMIS		IRDMIS		IRDMIS				IRDMIS		IRDMIS		IRDMIS		IRDMIS	
Method	Field	Test	Sample	Lab	Lot	Sample	Analysis	Spike	Value	Value	Sample	Percent	RPP		
Description		Name	Number	Number		Date	Date	Value		<	Units	Recovery			
METALS IN WATER BY ICAP	SS10	BA	MX5701X1	DV4P*167 ZFSP		30-OCT-95	27-NOV-95	2000	1840	14.8	UGL	92.0	1.6		
METALS IN WATER BY ICAP	SS10	BA	MX5701X1	DV4P*167 ZFSP		30-OCT-95	27-NOV-95	2000	1810	14.8	UGL	90.5	1.6		
METALS IN WATER BY ICAP	SS10	BA	MX5705XX	DV4P*204 ZFLP		13-SEP-95	03-OCT-95	2000	1830	43.1	UGL	91.5	1.1		
METALS IN WATER BY ICAP	SS10	BA	MX5705XX	DV4P*204 ZFLP		13-SEP-95	03-OCT-95	2000	1810	43.1	UGL	90.5	1.1		
METALS IN WATER BY ICAP	SS10	BA	MXAX02X1	DV4P*233 ZFSP		31-OCT-95	27-NOV-95	2000	1820	26.2	UGL	91.0	.6		
METALS IN WATER BY ICAP	SS10	BA	MXAX02X1	DV4P*233 ZFSP		31-OCT-95	27-NOV-95	2000	1810	26.2	UGL	90.5	.6		
METALS IN WATER BY ICAP	SS10	BA	MX2W10X3	DV4P*271 ZFVP		02-NOV-95	27-NOV-95	2000	1800	14	UGL	90.0	.6		
METALS IN WATER BY ICAP	SS10	BA	MX2W10X3	DV4P*271 ZFVP		02-NOV-95	27-NOV-95	2000	1790	14	UGL	89.5	.6		
METALS IN WATER BY ICAP	SS10	BA	MXAX08B1	DV4P*451 ZFTF		03-NOV-95	28-NOV-95	2000	1920	18.8	UGL	96.0	2.1		
METALS IN WATER BY ICAP	SS10	BA	MXAX08B1	DV4P*451 ZFTF		03-NOV-95	28-NOV-95	2000	1880	18.8	UGL	94.0	2.1		
METALS IN WATER BY ICAP	SS10	BA	MX5701X1	DV4P*167 ZFSP		30-OCT-95	27-NOV-95	2000	1880	33.9	UGL	94.0	3.2		
METALS IN WATER BY ICAP	SS10	BA	MX5701X1	DV4P*167 ZFSP		30-OCT-95	27-NOV-95	2000	1820	33.9	UGL	91.0	3.2		
METALS IN WATER BY ICAP	SS10	BA	MX5705XX	DV4P*204 ZFLP		13-SEP-95	03-OCT-95	2000	1890	41.3	UGL	94.5	0.0		
METALS IN WATER BY ICAP	SS10	BA	MX5705XX	DV4P*204 ZFLP		13-SEP-95	03-OCT-95	2000	1890	41.3	UGL	94.5	0.0		
METALS IN WATER BY ICAP	SS10	BA	MXAX02X1	DV4P*233 ZFSP		31-OCT-95	27-NOV-95	2000	1810	28.5	UGL	90.5	.6		
METALS IN WATER BY ICAP	SS10	BA	MXAX02X1	DV4P*233 ZFSP		31-OCT-95	27-NOV-95	2000	1800	28.5	UGL	90.0	.6		
METALS IN WATER BY ICAP	SS10	BA	MX2W10X3	DV4P*271 ZFVP		02-NOV-95	27-NOV-95	2000	1820	15.2	UGL	91.0	1.1		
METALS IN WATER BY ICAP	SS10	BA	MX2W10X3	DV4P*271 ZFVP		02-NOV-95	27-NOV-95	2000	1800	15.2	UGL	90.0	1.1		
METALS IN WATER BY ICAP	SS10	BA	MXAX08B1	DV4P*451 ZFTF		03-NOV-95	28-NOV-95	2000	1860	48.1	UGL	93.0	2.7		
METALS IN WATER BY ICAP	SS10	BA	MXAX08B1	DV4P*451 ZFTF		03-NOV-95	28-NOV-95	2000	1810	48.1	UGL	90.5	2.7		

avg															
minimum															
maximum															
METALS IN WATER BY ICAP	SS10	BE	MX5701X1	DV4P*167 ZFSP		30-OCT-95	27-NOV-95	50	54.3	<	5	108.6	5.3		
METALS IN WATER BY ICAP	SS10	BE	MX5701X1	DV4P*167 ZFSP		30-OCT-95	27-NOV-95	50	51.5	<	5	103.0	5.3		
METALS IN WATER BY ICAP	SS10	BE	MX5705XX	DV4P*204 ZFLP		13-SEP-95	03-OCT-95	50	53.8	<	5	107.6	0.0		
METALS IN WATER BY ICAP	SS10	BE	MX5705XX	DV4P*204 ZFLP		13-SEP-95	03-OCT-95	50	53.8	<	5	107.6	0.0		
METALS IN WATER BY ICAP	SS10	BE	MXAX02X1	DV4P*233 ZFSP		31-OCT-95	27-NOV-95	50	55.7	<	5	111.4	2.5		
METALS IN WATER BY ICAP	SS10	BE	MXAX02X1	DV4P*233 ZFSP		31-OCT-95	27-NOV-95	50	54.3	<	5	108.6	2.5		
METALS IN WATER BY ICAP	SS10	BE	MX2W10X3	DV4P*271 ZFVP		02-NOV-95	27-NOV-95	50	54.4	<	5	108.8	0.0		
METALS IN WATER BY ICAP	SS10	BE	MX2W10X3	DV4P*271 ZFVP		02-NOV-95	27-NOV-95	50	54.4	<	5	108.8	0.0		
METALS IN WATER BY ICAP	SS10	BE	MXAX08B1	DV4P*451 ZFTF		03-NOV-95	28-NOV-95	50	58.5	<	5	117.0	0.0		
METALS IN WATER BY ICAP	SS10	BE	MXAX08B1	DV4P*451 ZFTF		03-NOV-95	28-NOV-95	50	58.5	<	5	117.0	0.0		
METALS IN WATER BY ICAP	SS10	BE	MX5701X1	DV4P*167 ZFSP		30-OCT-95	27-NOV-95	50	54.8	<	5	109.6	2.6		

MS/MSD

avg
minimum

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

MS/MSD

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Original			RPD
									Value <	Value Units	Percent Recovery	
METALS IN WATER BY ICAP	SS10	CD	MX5701X1	DV4P*167 ZFSP	30-OCT-95	27-NOV-95		50	45.2 <	4.01 UGL	90.4	4.5
METALS IN WATER BY ICAP	SS10	CD	MX5701X1	DV4P*167 ZFSP	30-OCT-95	27-NOV-95		50	43.2 <	4.01 UGL	86.4	4.5
METALS IN WATER BY ICAP	SS10	CD	MX5705XX	DV4P*204 ZFLP	13-SEP-95	03-OCT-95		50	49.8 <	4.01 UGL	99.6	1.0
METALS IN WATER BY ICAP	SS10	CD	MX5705XX	DV4P*204 ZFLP	13-SEP-95	03-OCT-95		50	49.3 <	4.01 UGL	98.6	1.0
METALS IN WATER BY ICAP	SS10	CD	MXAX02X1	DV4P*233 ZFSP	31-OCT-95	27-NOV-95		50	43.8 <	4.01 UGL	87.6	2.3
METALS IN WATER BY ICAP	SS10	CD	MXAX02X1	DV4P*233 ZFSP	31-OCT-95	27-NOV-95		50	42.8 <	4.01 UGL	85.6	2.3
METALS IN WATER BY ICAP	SS10	CD	MXAX02X1	DV4P*233 ZFSP	31-OCT-95	27-NOV-95		50	46.3 <	4.01 UGL	92.6	1.3
METALS IN WATER BY ICAP	SS10	CD	MXZM10X3	DV4P*271 ZFVP	02-NOV-95	27-NOV-95		50	45.7 <	4.01 UGL	91.4	1.3
METALS IN WATER BY ICAP	SS10	CD	MXAX08B1	DV4P*451 ZFTF	03-NOV-95	28-NOV-95		50	53.3 <	4.01 UGL	106.6	.8
METALS IN WATER BY ICAP	SS10	CD	MXAX08B1	DV4P*451 ZFTF	03-NOV-95	28-NOV-95		50	52.9 <	4.01 UGL	105.8	.8
METALS IN WATER BY ICAP	SS10	CD	MX5701X1	DV4W*167 ZFSP	30-OCT-95	27-NOV-95		50	47.2 <	4.01 UGL	94.4	1.1
METALS IN WATER BY ICAP	SS10	CD	MX5701X1	DV4W*167 ZFSP	30-OCT-95	27-NOV-95		50	46.7 <	4.01 UGL	93.4	1.1
METALS IN WATER BY ICAP	SS10	CD	MX5705XX	DV4W*204 ZFLP	13-SEP-95	03-OCT-95		50	51.5 <	4.01 UGL	103.0	4.0
METALS IN WATER BY ICAP	SS10	CD	MXAX02X1	DV4W*233 ZFSP	31-OCT-95	27-NOV-95		50	49.5 <	4.01 UGL	99.0	4.0
METALS IN WATER BY ICAP	SS10	CD	MXAX02X1	DV4W*233 ZFSP	31-OCT-95	27-NOV-95		50	45.9 <	4.01 UGL	91.8	3.3
METALS IN WATER BY ICAP	SS10	CD	MXZM10X3	DV4W*271 ZFVP	02-NOV-95	27-NOV-95		50	44.4 <	4.01 UGL	88.8	3.3
METALS IN WATER BY ICAP	SS10	CD	MXZM10X3	DV4W*271 ZFVP	02-NOV-95	27-NOV-95		50	47.5 <	4.01 UGL	95.0	.6
METALS IN WATER BY ICAP	SS10	CD	MXAX08B1	DV4W*451 ZFTF	03-NOV-95	28-NOV-95		50	47.2 <	4.01 UGL	94.4	.6
METALS IN WATER BY ICAP	SS10	CD	MXAX08B1	DV4W*451 ZFTF	03-NOV-95	28-NOV-95		50	54.1 <	4.01 UGL	108.2	5.3
METALS IN WATER BY ICAP	SS10	CD	MXAX08B1	DV4W*451 ZFTF	03-NOV-95	28-NOV-95		50	51.3 <	4.01 UGL	102.6	5.3

avg												
minimum												
maximum												
METALS IN WATER BY ICAP	SS10	CO	MX5701X1	DV4P*167 ZFSP	30-OCT-95	27-NOV-95		500	549 <	25 UGL	109.8	2.2
METALS IN WATER BY ICAP	SS10	CO	MX5701X1	DV4P*167 ZFSP	30-OCT-95	27-NOV-95		500	537 <	25 UGL	107.4	2.2
METALS IN WATER BY ICAP	SS10	CO	MX5705XX	DV4P*204 ZFLP	13-SEP-95	03-OCT-95		500	564 <	25 UGL	112.8	.5
METALS IN WATER BY ICAP	SS10	CO	MX5705XX	DV4P*204 ZFLP	13-SEP-95	03-OCT-95		500	561 <	25 UGL	112.2	.5
METALS IN WATER BY ICAP	SS10	CO	MXAX02X1	DV4P*233 ZFSP	31-OCT-95	27-NOV-95		500	540 <	25 UGL	108.0	.4
METALS IN WATER BY ICAP	SS10	CO	MXAX02X1	DV4P*233 ZFSP	31-OCT-95	27-NOV-95		500	538 <	25 UGL	107.6	.4
METALS IN WATER BY ICAP	SS10	CO	MXZM10X3	DV4P*271 ZFVP	03-NOV-95	27-NOV-95		500	543 <	25 UGL	108.6	.9
METALS IN WATER BY ICAP	SS10	CO	MXZM10X3	DV4P*271 ZFVP	03-NOV-95	27-NOV-95		500	538 <	25 UGL	107.6	.9
METALS IN WATER BY ICAP	SS10	CO	MXAX08B1	DV4P*451 ZFTF	03-NOV-95	28-NOV-95		500	581 <	25 UGL	116.2	1.7
METALS IN WATER BY ICAP	SS10	CO	MXAX08B1	DV4P*451 ZFTF	03-NOV-95	28-NOV-95		500	571 <	25 UGL	114.2	1.7

MS/MSP

IRDMIS Method Code	IRDMIS Field Sample Number	Test Name	Method Description	IRDMIS			Analysis		Original		Percent Recovery	RPD	
				Lab Number	Lot	Sample Date	Date	Spike Value	Value <	Sample Value			Units
SS10	ICAP	CO	METALS IN WATER BY ICAP	DV4N*167 ZFSF	30-OCT-95	27-NOV-95	500	568	<	25	UGL	113.6	3.6
SS10	ICAP	CO	METALS IN WATER BY ICAP	DV4N*167 ZFSF	30-OCT-95	27-NOV-95	500	548	<	25	UGL	109.6	3.6
SS10	ICAP	CO	METALS IN WATER BY ICAP	WX5705XX	DV4N*204 ZFLF	03-OCT-95	500	595	<	25	UGL	119.0	1.5
SS10	ICAP	CO	METALS IN WATER BY ICAP	WX5705XX	DV4N*204 ZFLF	03-OCT-95	500	586	<	25	UGL	117.2	1.5
SS10	ICAP	CO	METALS IN WATER BY ICAP	MXAX02X1	DV4N*233 ZFSF	27-NOV-95	500	535	<	25	UGL	107.0	.6
SS10	ICAP	CO	METALS IN WATER BY ICAP	MXAX02X1	DV4N*233 ZFSF	27-NOV-95	500	532	<	25	UGL	106.4	.6
SS10	ICAP	CO	METALS IN WATER BY ICAP	MX2M10X3	DV4N*271 ZFVF	27-NOV-95	500	546	<	25	UGL	109.2	1.1
SS10	ICAP	CO	METALS IN WATER BY ICAP	MX2M10X3	DV4N*271 ZFVF	27-NOV-95	500	540	<	25	UGL	108.0	1.1
SS10	ICAP	CO	METALS IN WATER BY ICAP	MXAX08B1	DV4N*451 ZFTF	28-NOV-95	500	569	<	25	UGL	113.8	2.7
SS10	ICAP	CO	METALS IN WATER BY ICAP	MXAX08B1	DV4N*451 ZFTF	28-NOV-95	500	554	<	25	UGL	110.8	2.7

avgy													
minimum													
maximum													
SS10	ICAP	CR	METALS IN WATER BY ICAP	MX5701X1	DV4P*167 ZFSF	27-NOV-95	200	193	<	6.02	UGL	96.5	3.2
SS10	ICAP	CR	METALS IN WATER BY ICAP	MX5701X1	DV4P*167 ZFSF	27-NOV-95	200	187	<	6.02	UGL	93.5	3.2
SS10	ICAP	CR	METALS IN WATER BY ICAP	MX5705XX	DV4P*204 ZFLF	03-OCT-95	200	192	<	6.02	UGL	96.0	1.0
SS10	ICAP	CR	METALS IN WATER BY ICAP	MX5705XX	DV4P*204 ZFLF	03-OCT-95	200	190	<	6.02	UGL	95.0	1.0
SS10	ICAP	CR	METALS IN WATER BY ICAP	MXAX02X1	DV4P*233 ZFSF	27-NOV-95	200	185	<	6.02	UGL	92.5	0.0
SS10	ICAP	CR	METALS IN WATER BY ICAP	MXAX02X1	DV4P*233 ZFSF	27-NOV-95	200	185	<	6.02	UGL	92.5	0.0
SS10	ICAP	CR	METALS IN WATER BY ICAP	MX2M10X3	DV4P*271 ZFVF	27-NOV-95	200	187	<	6.02	UGL	93.5	0.0
SS10	ICAP	CR	METALS IN WATER BY ICAP	MX2M10X3	DV4P*271 ZFVF	27-NOV-95	200	187	<	6.02	UGL	93.5	0.0
SS10	ICAP	CR	METALS IN WATER BY ICAP	MXAX08B1	DV4P*451 ZFTF	28-NOV-95	200	206	<	6.02	UGL	103.0	4.5
SS10	ICAP	CR	METALS IN WATER BY ICAP	MXAX08B1	DV4P*451 ZFTF	28-NOV-95	200	197	<	6.02	UGL	98.5	4.5
SS10	ICAP	CR	METALS IN WATER BY ICAP	MX5701X1	DV4N*167 ZFSF	27-NOV-95	200	203	<	6.02	UGL	101.5	4.0
SS10	ICAP	CR	METALS IN WATER BY ICAP	MX5701X1	DV4N*167 ZFSF	27-NOV-95	200	195	<	6.02	UGL	97.5	4.0
SS10	ICAP	CR	METALS IN WATER BY ICAP	MX5705XX	DV4N*204 ZFLF	03-OCT-95	200	202	<	6.02	UGL	101.0	1.0
SS10	ICAP	CR	METALS IN WATER BY ICAP	MX5705XX	DV4N*204 ZFLF	03-OCT-95	200	200	<	6.02	UGL	100.0	1.0
SS10	ICAP	CR	METALS IN WATER BY ICAP	MXAX02X1	DV4N*233 ZFSF	27-NOV-95	200	190	<	6.02	UGL	95.0	1.6
SS10	ICAP	CR	METALS IN WATER BY ICAP	MXAX02X1	DV4N*233 ZFSF	27-NOV-95	200	187	<	6.02	UGL	93.5	1.6
SS10	ICAP	CR	METALS IN WATER BY ICAP	MX2M10X									

MS/MSD

IRDMIS Method Code	IRDMIS Field	Test Name	Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value <	Original sample		Percent Recovery	RPD
										Value	Units		
		minimum										92.5	
		maximum										103.0	
SS10	ICAP	CU	MX5701X1	DV4P*167 ZFSP	30-OCT-95	27-NOV-95	250	251	<	8.09	UGL	100.4	1.2
SS10	ICAP	CU	MX5701X1	DV4P*167 ZFSP	30-OCT-95	27-NOV-95	250	248	<	8.09	UGL	99.2	1.2
SS10	ICAP	CU	MX5705XX	DV4P*204 ZFLP	13-SEP-95	03-OCT-95	250	248	<	8.09	UGL	99.2	.8
SS10	ICAP	CU	MX5705XX	DV4P*204 ZFLP	13-SEP-95	03-OCT-95	250	246	<	8.09	UGL	98.4	.8
SS10	ICAP	CU	MXAX02X1	DV4P*233 ZFSP	31-OCT-95	27-NOV-95	250	247	<	8.09	UGL	98.8	.8
SS10	ICAP	CU	MXAX02X1	DV4P*233 ZFSP	31-OCT-95	27-NOV-95	250	245	<	8.09	UGL	98.0	.8
SS10	ICAP	CU	MX2M10X3	DV4P*271 ZFVF	02-NOV-95	27-NOV-95	250	248	<	8.09	UGL	99.2	.4
SS10	ICAP	CU	MX2M10X3	DV4P*271 ZFVF	02-NOV-95	27-NOV-95	250	247	<	8.09	UGL	98.8	.4
SS10	ICAP	CU	MXAX08B1	DV4P*451 ZFTF	03-NOV-95	28-NOV-95	250	260	<	8.09	UGL	104.0	2.3
SS10	ICAP	CU	MXAX08B1	DV4P*451 ZFTF	03-NOV-95	28-NOV-95	250	254	<	8.09	UGL	101.6	2.3
SS10	ICAP	CU	MX5701X1	DV4W*167 ZFSP	30-OCT-95	27-NOV-95	250	256	<	10.1	UGL	102.4	3.2
SS10	ICAP	CU	MX5701X1	DV4W*167 ZFSP	30-OCT-95	27-NOV-95	250	248	<	10.1	UGL	99.2	3.2
SS10	ICAP	CU	MX5705XX	DV4W*204 ZFLP	13-SEP-95	03-OCT-95	250	260	<	8.09	UGL	104.0	.8
SS10	ICAP	CU	MX5705XX	DV4W*204 ZFLP	13-SEP-95	03-OCT-95	250	258	<	8.09	UGL	103.2	.8
SS10	ICAP	CU	MXAX02X1	DV4W*233 ZFSP	31-OCT-95	27-NOV-95	250	247	<	8.09	UGL	98.8	1.2
SS10	ICAP	CU	MXAX02X1	DV4W*233 ZFSP	31-OCT-95	27-NOV-95	250	244	<	8.09	UGL	97.6	1.2
SS10	ICAP	CU	MX2M10X3	DV4W*271 ZFVF	02-NOV-95	27-NOV-95	250	253	<	8.09	UGL	101.2	1.6
SS10	ICAP	CU	MX2M10X3	DV4W*271 ZFVF	02-NOV-95	27-NOV-95	250	249	<	8.09	UGL	99.6	1.6
SS10	ICAP	CU	MXAX08B1	DV4W*451 ZFTF	03-NOV-95	28-NOV-95	250	255	<	8.09	UGL	102.0	2.8
SS10	ICAP	CU	MXAX08B1	DV4W*451 ZFTF	03-NOV-95	28-NOV-95	250	248	<	8.09	UGL	99.2	2.8

avg												100.2	
minimum												97.6	
maximum												104.0	
SS10	ICAP	FE	MX5701X1	DV4P*167 ZFSP	30-OCT-95	27-NOV-95	1000	977		72.9	UGL	97.7	2.6
SS10	ICAP	FE	MX5701X1	DV4P*167 ZFSP	30-OCT-95	27-NOV-95	1000	952		72.9	UGL	95.2	2.6
SS10	ICAP	FE	MX5705XX	DV4P*204 ZFLP	13-SEP-95	03-OCT-95	1000	1290		17200	UGL	129.0	8.9
SS10	ICAP	FE	MX5705XX	DV4P*204 ZFLP	13-SEP-95	03-OCT-95	1000	1180		17200	UGL	118.0	8.9
SS10	ICAP	FE	MXAX02X1	DV4P*233 ZFSP	31-OCT-95	27-NOV-95	1000	1060		257	UGL	106.0	4.8
SS10	ICAP	FE	MXAX02X1	DV4P*233 ZFSP	31-OCT-95	27-NOV-95	1000	1010		257	UGL	101.0	4.8
SS10	ICAP	FE	MX2M10X3	DV4P*271 ZFVF	02-NOV-95								

MS/MSD

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avg
minimum
maximum

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Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

MS/MSD

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Original Sample		Percent Recovery	RPD
									Value <	Value Units		
		avg										
		minimum										
		maximum										
METALS IN WATER BY ICAP	SS10	MG	MX5701X1	DV4P*167 ZFSP	30-OCT-95	27-NOV-95	10000	10300	612	UGL	103.0	2.0
METALS IN WATER BY ICAP	SS10	MG	MX5701X1	DV4P*167 ZFSP	30-OCT-95	27-NOV-95	10000	10100	612	UGL	101.0	2.0
METALS IN WATER BY ICAP	SS10	MG	MX5705XX	DV4P*204 ZFLP	13-SEP-95	03-OCT-95	10000	9960	1180	UGL	99.6	1.3
METALS IN WATER BY ICAP	SS10	MG	MX5705XX	DV4P*204 ZFLP	13-SEP-95	03-OCT-95	10000	9830	1180	UGL	98.3	1.3
METALS IN WATER BY ICAP	SS10	MG	MXAX02X1	DV4P*233 ZFSP	31-OCT-95	27-NOV-95	10000	10200	5750	UGL	102.0	1.0
METALS IN WATER BY ICAP	SS10	MG	MXAX02X1	DV4P*233 ZFSP	31-OCT-95	27-NOV-95	10000	10100	5750	UGL	101.0	1.0
METALS IN WATER BY ICAP	SS10	MG	MX2W10X3	DV4P*271 ZFVP	02-NOV-95	27-NOV-95	10000	10000	1880	UGL	100.0	.6
METALS IN WATER BY ICAP	SS10	MG	MX2W10X3	DV4P*271 ZFVP	02-NOV-95	27-NOV-95	10000	9940	1880	UGL	99.4	.6
METALS IN WATER BY ICAP	SS10	MG	MXAX08B1	DV4P*451 ZFTF	03-NOV-95	28-NOV-95	10000	11700	24500	UGL	117.0	7.1
METALS IN WATER BY ICAP	SS10	MG	MXAX08B1	DV4P*451 ZFTF	03-NOV-95	28-NOV-95	10000	10900	24500	UGL	109.0	7.1
METALS IN WATER BY ICAP	SS10	MG	MX5701X1	DV4P*167 ZFSP	30-OCT-95	27-NOV-95	10000	10500	1200	UGL	105.0	3.9
METALS IN WATER BY ICAP	SS10	MG	MX5701X1	DV4P*167 ZFSP	30-OCT-95	27-NOV-95	10000	10100	1200	UGL	101.0	3.9
METALS IN WATER BY ICAP	SS10	MG	MX5705XX	DV4P*204 ZFLP	13-SEP-95	03-OCT-95	10000	10200	1290	UGL	102.0	0.0
METALS IN WATER BY ICAP	SS10	MG	MX5705XX	DV4P*204 ZFLP	13-SEP-95	03-OCT-95	10000	10200	1290	UGL	102.0	0.0
METALS IN WATER BY ICAP	SS10	MG	MXAX02X1	DV4P*233 ZFSP	31-OCT-95	27-NOV-95	10000	10100	4260	UGL	101.0	2.4
METALS IN WATER BY ICAP	SS10	MG	MXAX02X1	DV4P*233 ZFSP	31-OCT-95	27-NOV-95	10000	9860	4260	UGL	98.6	2.4
METALS IN WATER BY ICAP	SS10	MG	MX2W10X3	DV4P*271 ZFVP	02-NOV-95	27-NOV-95	10000	10200	2030	UGL	102.0	2.0
METALS IN WATER BY ICAP	SS10	MG	MX2W10X3	DV4P*271 ZFVP	02-NOV-95	27-NOV-95	10000	10000	2030	UGL	100.0	2.0
METALS IN WATER BY ICAP	SS10	MG	MXAX08B1	DV4P*451 ZFTF	03-NOV-95	28-NOV-95	10000	10700	25100	UGL	107.0	5.8
METALS IN WATER BY ICAP	SS10	MG	MXAX08B1	DV4P*451 ZFTF	03-NOV-95	28-NOV-95	10000	10100	25100	UGL	101.0	5.8

		avg										
		minimum										
		maximum										
METALS IN WATER BY ICAP	SS10	MN	MX5701X1	DV4P*167 ZFSP	30-OCT-95	27-NOV-95	500	498	38.5	UGL	99.6	2.2
METALS IN WATER BY ICAP	SS10	MN	MX5701X1	DV4P*167 ZFSP	30-OCT-95	27-NOV-95	500	487	38.5	UGL	97.4	2.2
METALS IN WATER BY ICAP	SS10	MN	MX5705XX	DV4P*204 ZFLP	13-SEP-95	03-OCT-95	500	511	483	UGL	102.2	1.2
METALS IN WATER BY ICAP	SS10	MN	MX5705XX	DV4P*204 ZFLP	13-SEP-95	03-OCT-95	500	505	483	UGL	101.0	1.2
METALS IN WATER BY ICAP	SS10	MN	MXAX02X1	DV4P*233 ZFSP	31-OCT-95	27-NOV-95	500	468	3890	UGL	93.6	6.9
METALS IN WATER BY ICAP	SS10	MN	MXAX02X1	DV4P*233 ZFSP	31-OCT-95	27-NOV-95	500	437	3890	UGL	87.4	6.9
METALS IN WATER BY ICAP	SS10	MN	MX2W10X3	DV4P*271 ZFVP	02-NOV-95	27-NOV-95	500	521	1210	UGL	104.2	.6
METALS IN WATER BY ICAP	SS10	MN	MX2W10X3	DV4P*271 ZFVP	02-NOV-95	27-NOV-95	500	518	1210	UGL	103.6	.6

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

MS/MSD

Method Description	IRDMIS Method Code	Test Name	IRIMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Original			RPD
									Value <	Sample Value	Units	
METALS IN WATER BY ICAP	SS10	MN	MXAX08B1	DV4P*451 ZFTF	03-NOV-95	28-NOV-95	500	613	1540	UGL	122.6	8.5
METALS IN WATER BY ICAP	SS10	MN	MXAX08B1	DV4P*451 ZFTF	03-NOV-95	28-NOV-95	500	563	1540	UGL	112.6	8.5
METALS IN WATER BY ICAP	SS10	MN	MX5701X1	DV4P*167 ZFSF	30-OCT-95	27-NOV-95	500	535	512	UGL	107.0	5.2
METALS IN WATER BY ICAP	SS10	MN	MX5701X1	DV4P*167 ZFSF	30-OCT-95	27-NOV-95	500	508	512	UGL	101.6	5.2
METALS IN WATER BY ICAP	SS10	MN	MX5705XX	DV4P*204 ZFLF	13-SEP-95	03-OCT-95	500	526	433	UGL	105.2	.4
METALS IN WATER BY ICAP	SS10	MN	MX5705XX	DV4P*204 ZFLF	13-SEP-95	03-OCT-95	500	524	433	UGL	104.8	.4
METALS IN WATER BY ICAP	SS10	MN	MXAX02X1	DV4P*233 ZFSF	31-OCT-95	27-NOV-95	500	358	4770	UGL	71.6	19.6
METALS IN WATER BY ICAP	SS10	MN	MXAX02X1	DV4P*233 ZFSF	31-OCT-95	27-NOV-95	500	294	4770	UGL	58.8	19.6
METALS IN WATER BY ICAP	SS10	MN	MX2W10X3	DV4P*271 ZFVF	02-NOV-95	27-NOV-95	500	493	1440	UGL	98.6	7.4
METALS IN WATER BY ICAP	SS10	MN	MX2W10X3	DV4P*271 ZFVF	02-NOV-95	27-NOV-95	500	458	1440	UGL	91.6	7.4
METALS IN WATER BY ICAP	SS10	MN	MXAX08B1	DV4P*451 ZFTF	03-NOV-95	28-NOV-95	500	558	1870	UGL	111.6	7.2
METALS IN WATER BY ICAP	SS10	MN	MXAX08B1	DV4P*451 ZFTF	03-NOV-95	28-NOV-95	500	519	1870	UGL	103.8	7.2

avg												98.9
minimum												58.8
maximum												122.6
METALS IN WATER BY ICAP	SS10	NA	MX5701X1	DV4P*167 ZFSF	30-OCT-95	27-NOV-95	10000	11000	14500	UGL	110.0	4.7
METALS IN WATER BY ICAP	SS10	NA	MX5701X1	DV4P*167 ZFSF	30-OCT-95	27-NOV-95	10000	10500	14500	UGL	105.0	4.7
METALS IN WATER BY ICAP	SS10	NA	MX5705XX	DV4P*204 ZFLF	13-SEP-95	03-OCT-95	10000	10700	15800	UGL	107.0	0.0
METALS IN WATER BY ICAP	SS10	NA	MX5705XX	DV4P*204 ZFLF	13-SEP-95	03-OCT-95	10000	10700	15800	UGL	107.0	0.0
METALS IN WATER BY ICAP	SS10	NA	MXAX02X1	DV4P*233 ZFSF	31-OCT-95	27-NOV-95	10000	10600	36200	UGL	106.0	4.8
METALS IN WATER BY ICAP	SS10	NA	MXAX02X1	DV4P*233 ZFSF	31-OCT-95	27-NOV-95	10000	10100	36200	UGL	101.0	4.8
METALS IN WATER BY ICAP	SS10	NA	MX2W10X3	DV4P*271 ZFVF	02-NOV-95	27-NOV-95	10000	10900	22100	UGL	109.0	0.0
METALS IN WATER BY ICAP	SS10	NA	MX2W10X3	DV4P*271 ZFVF	02-NOV-95	27-NOV-95	10000	10900	22100	UGL	109.0	0.0
METALS IN WATER BY ICAP	SS10	NA	MXAX08B1	DV4P*451 ZFTF	03-NOV-95	28-NOV-95	10000	12300	28500	UGL	123.0	8.5
METALS IN WATER BY ICAP	SS10	NA	MXAX08B1	DV4P*451 ZFTF	03-NOV-95	28-NOV-95	10000	11300	28500	UGL	113.0	8.5
METALS IN WATER BY ICAP	SS10	NA	MX5701X1	DV4P*167 ZFSF	30-OCT-95	27-NOV-95	10000	11300	17300	UGL	113.0	4.5
METALS IN WATER BY ICAP	SS10	NA	MX5701X1	DV4P*167 ZFSF	30-OCT-95	27-NOV-95	10000	10800	17300	UGL	108.0	4.5
METALS IN WATER BY ICAP	SS10	NA	MX5705XX	DV4P*204 ZFLF	13-SEP-95	03-OCT-95	10000	11000	17800	UGL	110.0	.9
METALS IN WATER BY ICAP	SS10	NA	MX5705XX	DV4P*204 ZFLF	13-SEP-95	03-OCT-95	10000	10900	17800	UGL	109.0	.9
METALS IN WATER BY ICAP	SS10	NA	MXAX02X1	DV4P*233 ZFSF	31-OCT-95	27-NOV-95	10000	9970	34700	UGL	99.7	7.3
METALS IN WATER BY ICAP	SS10	NA	MXAX02X1	DV4P*233 ZFSF	31-OCT-95	27-NOV-95	10000	9270	34700	UGL	92.7	7.3
METALS IN WATER BY ICAP	SS10	NA	MX2W10X3	DV4P*271 ZFVF	02-NOV-95	27-NOV-95	10000	10700	23500	UGL	107.0	9.1
METALS IN WATER BY ICAP	SS10	NA	MX2W10X3	DV4P*271 ZFVF	02-NOV-95	27-NOV-95	10000	9770	23500	UGL	97.7	9.1
METALS IN WATER BY ICAP	SS10	NA	MXAX08B1	DV4P*451 ZFTF	03-NOV-95	28-NOV-95	10000	11300	29800	UGL	113.0	4.5
METALS IN WATER BY ICAP	SS10	NA	MXAX08B1	DV4P*451 ZFTF	03-NOV-95	28-NOV-95	10000	10800	29800	UGL	108.0	4.5

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

MS/MSD

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Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

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Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Original			RPD
									Value <	Sample Value Units	Percent Recovery	
METALS IN WATER BY ICAP	SS10	V	MXZM10X3	DV4P*271 ZFVF	02-NOV-95	27-NOV-95	500	487	<	11 UGL	97.4	1.2
METALS IN WATER BY ICAP	SS10	V	MXAX08B1	DV4P*451 ZFVF	03-NOV-95	28-NOV-95	500	540	<	11 UGL	108.0	2.1
METALS IN WATER BY ICAP	SS10	V	MXAX08B1	DV4P*451 ZFVF	03-NOV-95	28-NOV-95	500	529	<	11 UGL	105.8	2.1
METALS IN WATER BY ICAP	SS10	V	MX5701X1	DV4W*167 ZFSP	30-OCT-95	27-NOV-95	500	534	<	11 UGL	106.8	3.4
METALS IN WATER BY ICAP	SS10	V	MX5701X1	DV4W*167 ZFSP	30-OCT-95	27-NOV-95	500	516	<	11 UGL	103.2	3.4
METALS IN WATER BY ICAP	SS10	V	MX5705XX	DV4W*204 ZFLF	13-SEP-95	03-OCT-95	500	534	<	11 UGL	106.8	.8
METALS IN WATER BY ICAP	SS10	V	MX5705XX	DV4W*204 ZFLF	13-SEP-95	03-OCT-95	500	530	<	11 UGL	106.0	.8
METALS IN WATER BY ICAP	SS10	V	MXAX02X1	DV4W*233 ZFSP	31-OCT-95	27-NOV-95	500	509	<	11 UGL	101.8	1.0
METALS IN WATER BY ICAP	SS10	V	MXAX02X1	DV4W*233 ZFSP	31-OCT-95	27-NOV-95	500	504	<	11 UGL	100.8	1.0
METALS IN WATER BY ICAP	SS10	V	MXZM10X3	DV4W*271 ZFVF	02-NOV-95	27-NOV-95	500	505	<	11 UGL	101.0	1.0
METALS IN WATER BY ICAP	SS10	V	MXZM10X3	DV4W*271 ZFVF	02-NOV-95	27-NOV-95	500	500	<	11 UGL	100.0	1.0
METALS IN WATER BY ICAP	SS10	V	MXAX08B1	DV4W*451 ZFVF	03-NOV-95	28-NOV-95	500	526	<	11 UGL	105.2	2.3
METALS IN WATER BY ICAP	SS10	V	MXAX08B1	DV4W*451 ZFVF	03-NOV-95	28-NOV-95	500	514	<	11 UGL	102.8	2.3

								avg				
								minimum				
								maximum				
METALS IN WATER BY ICAP	SS10	ZN	MX5701X1	DV4P*167 ZFSP	30-OCT-95	27-NOV-95	500	518	<	21.1 UGL	103.6	1.0
METALS IN WATER BY ICAP	SS10	ZN	MX5701X1	DV4P*167 ZFSP	30-OCT-95	27-NOV-95	500	513	<	21.1 UGL	102.6	1.0
METALS IN WATER BY ICAP	SS10	ZN	MX5705XX	DV4P*204 ZFLF	13-SEP-95	03-OCT-95	500	508	<	58.4 UGL	101.6	.8
METALS IN WATER BY ICAP	SS10	ZN	MX5705XX	DV4P*204 ZFLF	13-SEP-95	03-OCT-95	500	504	<	58.4 UGL	100.8	.8
METALS IN WATER BY ICAP	SS10	ZN	MXAX02X1	DV4P*233 ZFSP	31-OCT-95	27-NOV-95	500	512	<	21.1 UGL	102.4	1.2
METALS IN WATER BY ICAP	SS10	ZN	MXAX02X1	DV4P*233 ZFSP	31-OCT-95	27-NOV-95	500	506	<	21.1 UGL	101.2	1.2
METALS IN WATER BY ICAP	SS10	ZN	MXZM10X3	DV4P*271 ZFVF	02-NOV-95	27-NOV-95	500	512	<	21.1 UGL	102.4	.2
METALS IN WATER BY ICAP	SS10	ZN	MXZM10X3	DV4P*271 ZFVF	02-NOV-95	27-NOV-95	500	511	<	21.1 UGL	102.2	.2
METALS IN WATER BY ICAP	SS10	ZN	MXAX08B1	DV4P*451 ZFVF	03-NOV-95	28-NOV-95	500	545	<	21.1 UGL	109.0	2.4
METALS IN WATER BY ICAP	SS10	ZN	MXAX08B1	DV4P*451 ZFVF	03-NOV-95	28-NOV-95	500	532	<	21.1 UGL	106.4	2.4
METALS IN WATER BY ICAP	SS10	ZN	MX5701X1	DV4W*167 ZFSP	30-OCT-95	27-NOV-95	500	524	<	21.1 UGL	104.8	3.3
METALS IN WATER BY ICAP	SS10	ZN	MX5701X1	DV4W*167 ZFSP	30-OCT-95	27-NOV-95	500	507	<	21.1 UGL	101.4	3.3
METALS IN WATER BY ICAP	SS10	ZN	MX5705XX	DV4W*204 ZFLF	13-SEP-95	03-OCT-95	500	527	<	109 UGL	105.4	.6
METALS IN WATER BY ICAP	SS10	ZN	MX5705XX	DV4W*204 ZFLF	13-SEP-95	03-OCT-95	500	524	<	109 UGL	104.8	.6
METALS IN WATER BY ICAP	SS10	ZN	MXAX02X1	DV4W*233 ZFSP	31-OCT-95	27-NOV-95	500	511	<	21.1 UGL	102.2	1.4
METALS IN WATER BY ICAP	SS10	ZN	MXAX02X1	DV4W*233 ZFSP	31-OCT-95	27-NOV-95	500	504	<	21.1 UGL	100.8	1.4
METALS IN WATER BY ICAP	SS10	ZN	MXZM10X3	DV4W*271 ZFVF	02-NOV-95	27-NOV-95	500	519	<	21.1 UGL	103.8	1.6
METALS IN WATER BY ICAP	SS10	ZN	MXZM10X3	DV4W*271 ZFVF	02-NOV-95	27-NOV-95	500	511	<	21.1 UGL	102.2	1.6
METALS IN WATER BY ICAP	SS10	ZN	MXAX08B1	DV4W*451 ZFVF	03-NOV-95	28-NOV-95	500	526	<	21.1 UGL	105.2	2.7

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[illegible]

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Method Description	IRDMIS Code	IRDMIS Field Sample Number	Test Name	IRDMIS			Sample Date	Analysis Date	Spike Value	Value <	Original sample Value Units	Percent Recovery	RPD
				Lab Number	Lot	Field Sample Number							
TOT. PO4 IN WATER	TF27	MX5701X1	PO4	DV4W*167	WHFB	30-OCT-95	21-NOV-95	400	420	280	UGL	105.0	4.9
TOT. PO4 IN WATER	TF27	MX5701X1	PO4	DV4W*167	WHFB	30-OCT-95	21-NOV-95	400	400	280	UGL	100.0	4.9
TOT. PO4 IN WATER	TF27	MX5705XX	PO4	DV4W*204	WHCB	13-SBP-95	25-SBP-95	400	380	70	UGL	95.0	2.4
TOT. PO4 IN WATER	TF27	MX5705XX	PO4	DV4W*204	WHCB	13-SBP-95	25-SBP-95	400	371	70	UGL	92.8	2.4
TOT. PO4 IN WATER	TF27	MX2W10X3	PO4	DV4W*271	WHFB	02-NOV-95	21-NOV-95	400	480	500	UGL	120.0	2.1
TOT. PO4 IN WATER	TF27	MX2W10X3	PO4	DV4W*271	WHFB	02-NOV-95	21-NOV-95	400	470	500	UGL	117.5	2.1
TOT. PO4 IN WATER	TF27	MXAX09X1	PO4	DV4W*453	WHHB	01-NOV-95	28-NOV-95	400	440	300	UGL	110.0	2.3
TOT. PO4 IN WATER	TF27	MXAX09X1	PO4	DV4W*453	WHHB	01-NOV-95	28-NOV-95	400	430	300	UGL	107.5	2.3

		avg										106.0	
		minimum										92.8	
		maximum										120.0	
SO4 IN WATER	TT10	MX5701X1	CL	DV4W*167	PDJC	30-OCT-95	16-NOV-95	25000	29000	28500	UGL	116.0	10.9
SO4 IN WATER	TT10	MX5701X1	CL	DV4W*167	PDJC	30-OCT-95	16-NOV-95	25000	26000	28500	UGL	104.0	10.9
SO4 IN WATER	TT10	MXAX02X1	CL	DV4W*233	PDJC	31-OCT-95	16-NOV-95	25000	29000	28500	UGL	116.0	0.0
SO4 IN WATER	TT10	MXAX02X1	CL	DV4W*233	PDJC	31-OCT-95	16-NOV-95	25000	29000	28500	UGL	116.0	0.0
SO4 IN WATER	TT10	MX2W10X3	CL	DV4W*271	PDKC	02-NOV-95	22-NOV-95	50000	57000	46000	UGL	114.0	7.3
SO4 IN WATER	TT10	MX2W10X3	CL	DV4W*271	PDKC	02-NOV-95	22-NOV-95	50000	53000	46000	UGL	106.0	7.3
SO4 IN WATER	TT10	WD5703XX	CL	DV4W*432	PDGC	13-SBP-95	18-SBP-95	25000	29000	44000	UGL	116.0	0.0
SO4 IN WATER	TT10	WD5703XX	CL	DV4W*432	PDGC	13-SBP-95	18-SBP-95	25000	29000	44000	UGL	116.0	0.0

		avg										113.0	
		minimum										104.0	
		maximum										116.0	
SO4 IN WATER	TT10	MX5701X1	SO4	DV4W*167	PDKC	30-OCT-95	21-NOV-95	250000	260000	10000	UGL	104.0	0.0
SO4 IN WATER	TT10	MX5701X1	SO4	DV4W*167	PDKC	30-OCT-95	21-NOV-95	250000	260000	10000	UGL	104.0	0.0
SO4 IN WATER	TT10	MXAX02X1	SO4	DV4W*233	PDKC	31-OCT-95	21-NOV-95	250000	260000	48000	UGL	104.0	0.0
SO4 IN WATER	TT10	MXAX02X1	SO4	DV4W*233	PDKC	31-OCT-95	21-NOV-95	250000	260000	48000	UGL	104.0	0.0
SO4 IN WATER	TT10	MX2W10X3	SO4	DV4W*271	PDKC	02-NOV-95	22-NOV-95	250000	260000	10000			

MS/MSD

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value <	Original Sample Value Units	Percent Recovery	RPP
		minimum									104.0	
		maximum									104.0	
	UH02	PCB016	MX5701X1	DV4W*167	SDSD	30-OCT-95	08-NOV-95	3.75	4.1	<	.16 UGL	109.3
	UH02	PCB016	MX5701X1	DV4W*167	SDSD	30-OCT-95	08-NOV-95	3.75	3.9	<	.16 UGL	104.0
	UH02	PCB016	MX5705XX	DV4W*204	SDOD	13-SEP-95	20-SEP-95	3.75	3.86	<	.16 UGL	102.9
	UH02	PCB016	MX5705XX	DV4W*204	SDOD	13-SEP-95	20-SEP-95	3.75	3.75	<	.16 UGL	100.0
	UH02	PCB016	MXAX02X1	DV4W*233	SDSD	31-OCT-95	09-NOV-95	3.75	4.33	<	.16 UGL	115.5
	UH02	PCB016	MXAX02X1	DV4W*233	SDSD	31-OCT-95	09-NOV-95	3.75	4.24	<	.16 UGL	113.1
	UH02	PCB016	MXZM10X3	DV4W*271	SDTD	02-NOV-95	15-NOV-95	3.75	3.17	<	.16 UGL	84.5
	UH02	PCB016	MXZM10X3	DV4W*271	SDTD	02-NOV-95	15-NOV-95	3.75	2.88	<	.16 UGL	76.8

		avg										
		minimum									100.8	
		maximum									76.8	
											115.5	
	UH02	PCB260	MX5701X1	DV4W*167	SDSD	30-OCT-95	08-NOV-95	3.75	3.52	<	.19 UGL	93.9
	UH02	PCB260	MX5701X1	DV4W*167	SDSD	30-OCT-95	08-NOV-95	3.75	3.38	<	.19 UGL	90.1
	UH02	PCB260	MX5705XX	DV4W*204	SDOD	13-SEP-95	20-SEP-95	3.75	3.37	<	.19 UGL	89.9
	UH02	PCB260	MX5705XX	DV4W*204	SDOD	13-SEP-95	20-SEP-95	3.75	3.28	<	.19 UGL	87.5
	UH02	PCB260	MXAX02X1	DV4W*233	SDSD	31-OCT-95	09-NOV-95	3.75	3.78	<	.19 UGL	100.8
	UH02	PCB260	MXAX02X1	DV4W*233	SDSD	31-OCT-95	09-NOV-95	3.75	3.7	<	.19 UGL	98.7
	UH02	PCB260	MXZM10X3	DV4W*271	SDTD	02-NOV-95	15-NOV-95	3.75	1.86	<	.19 UGL	49.6
	UH02	PCB260	MXZM10X3	DV4W*271	SDTD	02-NOV-95	15-NOV-95	3.75	2.3	<	.19 UGL	61.3

		avg										
		minimum									84.0	
		maximum									49.6	
											100.8	
	UH13	ARNSLF	MX5701X1	DV4W*167	TDBE	30-OCT-95	14-NOV-95	.5	.515	<	.023 UGL	103.0
	UH13	ARNSLF	MX5701X1	DV4W*167	TDBE	30-OCT-95	14-NOV-95	.5	.508	<	.023 UGL	101.6
	UH13	ARNSLF	MX5705XX	DV4W*204	TDMD	13-SEP-95	26-SEP-95	.5	.412	<	.023 UGL	82.4
	UH13	ARNSLF	MX5705XX	DV4W*204	TDMD	13-SEP-95	26-SEP-95	.5	.392	<	.023 UGL	78.4
	UH13	ARNSLF	MXAX02X1	DV4W*233	TDBE	31-OCT-95	14-NOV-95	.5	.524	<	.023 UGL	104.8
	UH13	ARNSLF	MXAX02X1	DV4W*233	TDBE	31-OCT-95	14-NOV-95	.5	.513	<	.023 UGL	102.6

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

MS/MSD

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value <	Original Sample		Percent Recovery	RPD
										Value	Units		
UH13	UH13	ABNSLP	MXZM10X3	DV4W*271	TDCE	02-NOV-95	14-NOV-95	.5	.224	<	.023 UGL	44.8	6.5
		ABNSLP	MXZM10X3	DV4W*271	TDCE	02-NOV-95	14-NOV-95	.5	.21	<	.023 UGL	42.0	6.5

		avg										82.5	
UH13	UH13	ALDRN	MX5701X1	DV4W*167	TDCE	30-OCT-95	14-NOV-95	.5	.603	<	.0918 UGL	120.6	2.3
		ALDRN	MX5701X1	DV4W*167	TDCE	30-OCT-95	14-NOV-95	.5	.589	<	.0918 UGL	117.8	2.3
		ALDRN	MX5705XX	DV4W*204	TDMD	13-SEP-95	26-SEP-95	.5	.501	<	.0918 UGL	100.2	1.2
		ALDRN	MX5705XX	DV4W*204	TDMD	13-SEP-95	26-SEP-95	.5	.495	<	.0918 UGL	99.0	1.2
UH13	UH13	ALDRN	MXAX02X1	DV4W*233	TDCE	31-OCT-95	14-NOV-95	.5	.598	<	.0918 UGL	119.6	.5
		ALDRN	MXAX02X1	DV4W*233	TDCE	31-OCT-95	14-NOV-95	.5	.595	<	.0918 UGL	119.0	.5
		ALDRN	MXZM10X3	DV4W*271	TDCE	02-NOV-95	14-NOV-95	.5	.245	<	.0918 UGL	49.0	32.5
		ALDRN	MXZM10X3	DV4W*271	TDCE	02-NOV-95	14-NOV-95	.5	.34	<	.0918 UGL	68.0	32.5
UH13	UH13	*****											
		avg										99.2	
		minimum										49.0	
		maximum										120.6	
UH13	UH13	BNSLP	MX5701X1	DV4W*167	TDCE	30-OCT-95	14-NOV-95	.5	.347	<	.023 UGL	69.4	.9
		BNSLP	MX5701X1	DV4W*167	TDCE	30-OCT-95	14-NOV-95	.5	.344	<	.023 UGL	68.8	.9
		BNSLP	MX5705XX	DV4W*204	TDMD	13-SEP-95	26-SEP-95	.5	.386	<	.023 UGL	77.2	6.1
		BNSLP	MX5705XX	DV4W*204	TDMD	13-SEP-95	26-SEP-95	.5	.363	<	.023 UGL	72.6	6.1
UH13	UH13	BNSLP	MXAX02X1	DV4W*233	TDCE	31-OCT-95	14-NOV-95	.5	.341	<	.023 UGL	68.2	2.1
		BNSLP	MXAX02X1	DV4W*233	TDCE	31-OCT-95	14-NOV-95	.5	.334	<	.023 UGL	66.8	2.1
		BNSLP	MXZM10X3	DV4W*271	TDCE	02-NOV-95	14-NOV-95	.5	.308	<	.023 UGL	61.6	7.8
		BNSLP	MXZM10X3	DV4W*271	TDCE	02-NOV-95	14-NOV-95	.5	.285	<	.023 UGL	57.0	7.8
UH13	UH13	*****											
		avg										67.7	
		minimum										57.0	
		maximum										77.2	
UH13	UH13	DLDRN	MX5701X1	DV4W*167	TDCE	30-OCT-95	14-NOV-95	.5	.438	<	.024 UGL	87.6	.9
		DLDRN	MX5701X1	DV4W*167	TDCE	30-OCT-95	14-NOV-95	.5	.434	<	.024 UGL	86.8	.9
		DLDRN	MX5705XX	DV4W*204	TDMD	13-SEP-95	26-SEP-95	.5	.406	<	.024 UGL	81.2	5.1
		DLDRN	MX5705XX	DV4W*204	TDMD	13-SEP-95	26-SEP-95	.5	.386	<	.024 UGL	77.2	5.1

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

MS/MSD

IRDMIS													
Method Description	IRDMIS Method Code	Test Name	Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value <	Original Sample Value Units	Percent Recovery	RPD	
UH13	UH13	DLDRN	MXAX02X1	DV4W*233	TDBE	31-OCT-95	14-NOV-95	.5	.462 <	.024 UGL	92.4	5.3	
	UH13	DLDRN	MXAX02X1	DV4W*233	TDBE	31-OCT-95	14-NOV-95	.5	.438 <	.024 UGL	87.6	5.3	
	UH13	DLDRN	MXZW10X3	DV4W*271	TDCE	02-NOV-95	14-NOV-95	.5	.353 <	.024 UGL	70.6	4.7	
	UH13	DLDRN	MXZW10X3	DV4W*271	TDCE	02-NOV-95	14-NOV-95	.5	.37 <	.024 UGL	74.0	4.7	

		avg									82.2		
		minimum									70.6		
		maximum									92.4		
UH13	UH13	ENDRN	MX5701X1	DV4W*167	TDBE	30-OCT-95	14-NOV-95	.5	.427 <	.0238 UGL	85.4	.5	
	UH13	ENDRN	MX5701X1	DV4W*167	TDBE	30-OCT-95	14-NOV-95	.5	.425 <	.0238 UGL	85.0	.5	
	UH13	ENDRN	MX5705XX	DV4W*204	TDWD	13-SEP-95	26-SEP-95	.5	.483 <	.0238 UGL	96.6	6.4	
	UH13	ENDRN	MX5705XX	DV4W*204	TDWD	13-SEP-95	26-SEP-95	.5	.453 <	.0238 UGL	90.6	6.4	
	UH13	ENDRN	MXAX02X1	DV4W*233	TDBE	31-OCT-95	14-NOV-95	.5	.457 <	.0238 UGL	91.4	2.7	
	UH13	ENDRN	MXAX02X1	DV4W*233	TDBE	31-OCT-95	14-NOV-95	.5	.445 <	.0238 UGL	89.0	2.7	
	UH13	ENDRN	MXZW10X3	DV4W*271	TDCE	02-NOV-95	14-NOV-95	.5	.304 <	.0238 UGL	60.8	8.9	
	UH13	ENDRN	MXZW10X3	DV4W*271	TDCE	02-NOV-95	14-NOV-95	.5	.278 <	.0238 UGL	55.6	8.9	

			avg								81.8		
			minimum									55.6	
			maximum									96.6	
UH13	UH13	HPCL	MX5701X1	DV4W*167	TDBE	30-OCT-95	14-NOV-95	.5	.591 <	.0423 UGL	118.2	1.2	
	UH13	HPCL	MX5701X1	DV4W*167	TDBE	30-OCT-95	14-NOV-95	.5	.584 <	.0423 UGL	116.8	1.2	
	UH13	HPCL	MX5705XX	DV4W*204	TDWD	13-SEP-95	26-SEP-95	.5	.485 <	.0423 UGL	97.0	1.5	
	UH13	HPCL	MX5705XX	DV4W*204	TDWD	13-SEP-95	26-SEP-95	.5	.478 <	.0423 UGL	95.6	1.5	
	UH13	HPCL	MXAX02X1	DV4W*233	TDBE	31-OCT-95	14-NOV-95	.5	.618 <	.0423 UGL	123.6	.6	
	UH13	HPCL	MXAX02X1	DV4W*233	TDBE	31-OCT-95	14-NOV-95	.5	.614 <	.0423 UGL	122.8	.6	
	UH13	HPCL	MXZW10X3	DV4W*271	TDCE	02-NOV-95	14-NOV-95	.5	.326 <	.0423 UGL	65.2	10.3	
	UH13	HPCL	MXZW10X3	DV4W*271	TDCE	02-NOV-95	14-NOV-95	.5	.294 <	.0423 UGL	58.8	10.3	

			avg								99.8		
			minimum									58.8	
			maximum									123.6	
UH13	UH13	ISODR	MX5701X1	DV4W*167	TDBE	30-OCT-95	14-NOV-95	1	1.03 <	.0562 UGL	103.0	1.0	
	UH13	ISODR	MX5701X1	DV4W*167	TDBE	30-OCT-95	14-NOV-95	1	1.02 <	.0562 UGL	102.0	1.0	

MS/MSD

Method Description	IRDM15 Method Code	IRDM15 Field Sample Number	Test Name	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value <	Original Sample Value	thits	Percent Recovery	RPD
			ISODR	DV4W*204	TDWD	13-SEP-95	26-SEP-95	1	.857 <	.0562	UGL	85.7	.5
			ISODR	DV4W*204	TDWD	13-SEP-95	26-SEP-95	1	.853 <	.0562	UGL	85.3	.5
			ISODR	MXAX02X1	TDDB	31-OCT-95	14-NOV-95	1	1.03 <	.0562	UGL	103.0	0.0
			ISODR	MXAX02X1	TDDB	31-OCT-95	14-NOV-95	1	1.03 <	.0562	UGL	103.0	0.0
			ISODR	MXZW10X3	TDCE	02-NOV-95	14-NOV-95	1	.396 <	.0562	UGL	39.6	7.3
			ISODR	MXZW10X3	TDCE	02-NOV-95	14-NOV-95	1	.368 <	.0562	UGL	36.8	7.3

			avg									82.3	
			minimum									36.8	
			maximum									103.0	
			LIN	DV4W*167	TDDB	30-OCT-95	14-NOV-95	.5	.477 <	.0507	UGL	95.4	.2
			LIN	DV4W*167	TDDB	30-OCT-95	14-NOV-95	.5	.476 <	.0507	UGL	95.2	.2
			LIN	DV4W*204	TDWD	13-SEP-95	26-SEP-95	.5	.418 <	.0507	UGL	83.6	4.7
			LIN	DV4W*204	TDWD	13-SEP-95	26-SEP-95	.5	.399 <	.0507	UGL	79.8	4.7
			LIN	MX5705XX	TDDB	31-OCT-95	14-NOV-95	.5	.494 <	.0507	UGL	98.8	3.1
			LIN	MXAX02X1	TDDB	31-OCT-95	14-NOV-95	.5	.479 <	.0507	UGL	95.8	3.1
			LIN	MXAX02X1	TDDB	31-OCT-95	14-NOV-95	.5	.246 <	.0507	UGL	49.2	15.3
			LIN	DV4W*271	TDCE	02-NOV-95	14-NOV-95	.5	.211 <	.0507	UGL	42.2	15.3

			avg									80.0	
			minimum									42.2	
			maximum									98.8	
			MEXCCLR	DV4W*167	TDDB	30-OCT-95	14-NOV-95	1	1.06 <	.057	UGL	106.0	11.6
			MEXCCLR	DV4W*167	TDDB	30-OCT-95	14-NOV-95	1	.944 <	.057	UGL	94.4	11.6
			MEXCCLR	DV4W*204	TDWD	13-SEP-95	26-SEP-95	1	.782 <	.057	UGL	78.2	5.5
			MEXCCLR	DV4W*204	TDWD	13-SEP-95	26-SEP-95	1	.74 <	.057	UGL	74.0	5.5
			MEXCCLR	MXAX02X1	TDDB	31-OCT-95	14-NOV-95	1	1.05 <	.057	UGL	105.0	2.9
			MEXCCLR	MXAX02X1	TDDB	31-OCT-95	14-NOV-95	1	1.02 <	.057	UGL	102.0	2.9
			MEXCCLR	DV4W*271	TDCE	02-NOV-95	14-NOV-95	1	.976 <	.057	UGL	97.6	34.3
			MEXCCLR	DV4W*271	TDCE	02-NOV-95	14-NOV-95	1	.69 <	.057	UGL	69.0	34.3

			avg									90.8	
			minimum										

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

MS/MSD

IRDMIS Method Code	IRDMIS Field Sample Number	Test Name	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value <	Original Sample Value	Units	Percent Recovery	RPP
UH13	MX5701X1	PPDDT	DV4W*167	TDBE	30-OCT-95	14-NOV-95	.5	.553	.034	UGL	110.6	3.3
UH13	MX5701X1	PPDDT	DV4W*167	TDBE	30-OCT-95	14-NOV-95	.5	.535	.034	UGL	107.0	3.3
UH13	MX5705XX	PPDDT	DV4W*204	TDWD	13-SEP-95	26-SEP-95	.5	.436	.034	UGL	87.2	9.4
UH13	MX5705XX	PPDDT	DV4W*204	TDWD	13-SEP-95	26-SEP-95	.5	.397	.034	UGL	79.4	9.4
UH13	MXX02X1	PPDDT	DV4W*233	TDBE	31-OCT-95	14-NOV-95	.5	.585	.034	UGL	117.0	1.6
UH13	MXX02X1	PPDDT	DV4W*233	TDBE	31-OCT-95	14-NOV-95	.5	.576	.034	UGL	115.2	1.6
UH13	MXZM10X3	PPDDT	DV4W*271	TDCE	02-NOV-95	14-NOV-95	.5	.308	.034	UGL	61.6	20.9
UH13	MXZM10X3	PPDDT	DV4W*271	TDCE	02-NOV-95	14-NOV-95	.5	.38	.034	UGL	76.0	20.9

											94.3	
											61.6	
											117.0	

TABLE D-11

MS/MSD

[illegible]

MS/MSD

Method Code	Method Description	IRDMIS Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Original Sample			Percent Recovery	RPD	
									Value <	Value	Units			
maximum														
SB01	HG IN WATER BY CVAA	HG	MXG302X2	DV4F*164	QJQD	12-FEB-96	11-MAR-96	4	3.87	<	.243	UGL	96.8	2.4
SB01	HG IN WATER BY CVAA	HG	MXG302X2	DV4F*164	QJQD	12-FEB-96	11-MAR-96	4	3.78	<	.243	UGL	94.5	2.4
SB01	HG IN WATER BY CVAA	HG	MLAX03X2	DV4F*236	QJRD	14-FEB-96	12-MAR-96	4	4.01	<	.243	UGL	100.3	.0
SB01	HG IN WATER BY CVAA	HG	MLAX03X2	DV4F*236	QJRD	14-FEB-96	12-MAR-96	4	4.01	<	.243	UGL	100.3	.0
SB01	HG IN WATER BY CVAA	HG	MX2W12X4	DV4F*276	QJQD	13-FEB-96	11-MAR-96	4	3.81	<	.243	UGL	95.3	.0
SB01	HG IN WATER BY CVAA	HG	MX2W12X4	DV4F*276	QJQD	13-FEB-96	11-MAR-96	4	3.81	<	.243	UGL	95.3	.0
SB01	HG IN WATER BY CVAA	HG	MXG302X2	DV4F*164	QJQD	12-FEB-96	11-MAR-96	4	3.67	<	.243	UGL	91.8	.0
SB01	HG IN WATER BY CVAA	HG	MXAX03X2	DV4W*236	QJRD	14-FEB-96	12-MAR-96	4	3.83	<	.243	UGL	95.8	.5
SB01	HG IN WATER BY CVAA	HG	MLAX03X2	DV4F*236	QJRD	14-FEB-96	12-MAR-96	4	3.81	<	.243	UGL	95.3	.5
SB01	HG IN WATER BY CVAA	HG	MX2W12X4	DV4W*276	QJQD	13-FEB-96	11-MAR-96	4	3.74	<	.243	UGL	93.5	1.9
SB01	HG IN WATER BY CVAA	HG	MX2W12X4	DV4W*276	QJQD	13-FEB-96	11-MAR-96	4	3.67	<	.243	UGL	91.8	1.9
SB01	HG IN WATER BY CVAA	HG	MD2W11X4	DV4W*456	QJSD	14-FEB-96	13-MAR-96	4	3.83	<	.243	UGL	95.8	1.8
SB01	HG IN WATER BY CVAA	HG	MD2W11X4	DV4W*456	QJSD	14-FEB-96	13-MAR-96	4	3.76	<	.243	UGL	94.0	1.8

avg														
minimum														
maximum														
SD09	TL IN WATER BY GPAA	TL	MXG302X2	DV4F*164	UCXE	12-FEB-96	19-MAR-96	10	9.83	<	6.99	UGL	98.3	3.7
SD09	TL IN WATER BY GPAA	TL	MXG302X2	DV4F*164	UCXE	12-FEB-96	19-MAR-96	10	10.2	<	6.99	UGL	102.0	3.7
SD09	TL IN WATER BY GPAA	TL	MLAX03X2	DV4F*236	UCYE	14-FEB-96	20-MAR-96	10	8.95	<	6.99	UGL	89.5	7.7
SD09	TL IN WATER BY GPAA	TL	MLAX03X2	DV4F*236	UCYE	14-FEB-96	20-MAR-96	10	8.29	<	6.99	UGL	82.9	7.7
SD09	TL IN WATER BY GPAA	TL	MX2W12X4	DV4F*276	UCXE	13-FEB-96	19-MAR-96	10	8.73	<	6.99	UGL	87.3	5.2
SD09	TL IN WATER BY GPAA	TL	MX2W12X4	DV4F*276	UCXE	13-FEB-96	19-MAR-96	10	8.29	<	6.99	UGL	82.9	5.2
SD09	TL IN WATER BY GPAA	TL	MXG302X2	DV4W*164	UCXE	12-FEB-96	19-MAR-96	10	10.5	<	6.99	UGL	105.0	1.0
SD09	TL IN WATER BY GPAA	TL	MXG302X2	DV4W*164	UCXE	12-FEB-96	19-MAR-96	10	10.4	<	6.99	UGL	104.0	1.0
SD09	TL IN WATER BY GPAA	TL	MLAX03X2	DV4W*236	UCYE	14-FEB-96	20-MAR-96	10	8.73	<	6.99	UGL	87.3	1.3
SD09	TL IN WATER BY GPAA	TL	MLAX03X2	DV4W*236	UCYE	14-FEB-96	20-MAR-96	10	8.62	<	6.99	UGL	86.2	1.3
SD09	TL IN WATER BY GPAA	TL	MX2W12X4	DV4W*276	UCXE	13-FEB-96	19-MAR-96	10	8.29	<	6.99	UGL	82.9	1.3
SD09	TL IN WATER BY GPAA	TL	MX2W12X4	DV4W*276	UCXE	13-FEB-96	19-MAR-96	10	8.18	<	6.99	UGL	81.8	1.3
SD09	TL IN WATER BY GPAA	TL	MLAX08A2	DV4W*460	UCZE	14-FEB-96	20-MAR-96	10	8.73	<	6.99	UGL	87.3	2.6
SD09	TL IN WATER BY GPAA	TL	MLAX08A2	DV4W*460	UCZE	14-FEB-96	20-MAR-96	10	8.51	<	6.99	UGL	85.1	2.6

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

MS/MSD

Method Description	IRDMIS Method Code	IRDMIS Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value <	Original Sample Value Units	Percent Recovery	RPD

		avg									90.2	
		minimum									81.8	
		maximum									105.0	
PB IN WATER BY GFAA	SD20	PB	MXG02X2	DV4F*164	WCJG	12-FEB-96	20-MAR-96	40	21.5	<	1.26 UGL	53.8 1.9
PB IN WATER BY GFAA	SD20	PB	MXG02X2	DV4F*164	WCJG	12-FEB-96	20-MAR-96	40	21.1	<	1.26 UGL	52.8 1.9
PB IN WATER BY GFAA	SD20	PB	MXAX03X2	DV4F*236	WCJG	14-FEB-96	21-MAR-96	40	42.2	<	1.26 UGL	105.5 .7
PB IN WATER BY GFAA	SD20	PB	MXAX03X2	DV4F*236	WCJG	14-FEB-96	21-MAR-96	40	41.9	<	1.26 UGL	104.8 .7
PB IN WATER BY GFAA	SD20	PB	MXZM12X4	DV4F*276	WCJG	13-FEB-96	20-MAR-96	40	38.9	<	1.26 UGL	97.3 .3
PB IN WATER BY GFAA	SD20	PB	MXZM12X4	DV4F*276	WCJG	13-FEB-96	20-MAR-96	40	38.8	<	1.26 UGL	97.0 .3
PB IN WATER BY GFAA	SD20	PB	MXG02X2	DV4F*164	WCJG	12-FEB-96	20-MAR-96	40	22.1	<	1.26 UGL	55.3 1.4
PB IN WATER BY GFAA	SD20	PB	MXG02X2	DV4F*164	WCJG	12-FEB-96	20-MAR-96	40	21.8	<	1.26 UGL	54.5 1.4
PB IN WATER BY GFAA	SD20	PB	MXAX03X2	DV4F*236	WCJG	14-FEB-96	21-MAR-96	40	43.7	<	1.26 UGL	109.3 2.9
PB IN WATER BY GFAA	SD20	PB	MXAX03X2	DV4F*236	WCJG	14-FEB-96	21-MAR-96	40	45	<	1.26 UGL	112.5 2.9
PB IN WATER BY GFAA	SD20	PB	MXZM12X4	DV4F*276	WCJG	13-FEB-96	20-MAR-96	40	40.3	<	1.26 UGL	100.8 .2
PB IN WATER BY GFAA	SD20	PB	MXZM12X4	DV4F*276	WCJG	13-FEB-96	20-MAR-96	40	40.2	<	1.26 UGL	100.5 .2
PB IN WATER BY GFAA	SD20	PB	MXAX08A2	DV4F*460	WCLG	14-FEB-96	21-MAR-96	40	43.7	<	1.26 UGL	109.3 .2
PB IN WATER BY GFAA	SD20	PB	MXAX08A2	DV4F*460	WCLG	14-FEB-96	21-MAR-96	40	43.6	<	1.26 UGL	109.0 .2

		avg									90.1	
		minimum									52.8	
		maximum									112.5	
SE IN WATER BY GFAA	SD21	SE	MXG02X2	DV4F*164	XCBG	12-FEB-96	19-MAR-96	37.5	13.5	<	3.02 UGL	2.2
SE IN WATER BY GFAA	SD21	SE	MXG02X2	DV4F*164	XCBG	12-FEB-96	19-MAR-96	37.5	13.2	<	3.02 UGL	2.2
SE IN WATER BY GFAA	SD21	SE	MXAX03X2	DV4F*236	XCCG	14-FEB-96	21-MAR-96	37.5	30.7	<	3.02 UGL	3.0
SE IN WATER BY GFAA	SD21	SE	MXAX03X2	DV4F*236	XCCG	14-FEB-96	21-MAR-96	37.5	29.8	<	3.02 UGL	3.0
SE IN WATER BY GFAA	SD21	SE	MXZM12X4	DV4F*276	XCBG	13-FEB-96	19-MAR-96	37.5	32.8	<	3.02 UGL	5.6
SE IN WATER BY GFAA	SD21	SE	MXZM12X4	DV4F*276	XCBG	13-FEB-96	19-MAR-96	37.5	31	<	3.02 UGL	5.6
SE IN WATER BY GFAA	SD21	SE	MXG02X2	DV4F*164	XCBG	12-FEB-96	19-MAR-96	37.5	20.1	<	3.02 UGL	5.6
SE IN WATER BY GFAA	SD21	SE	MXG02X2	DV4F*164	XCBG	12-FEB-96	19-MAR-96	37.5	19	<	3.02 UGL	5.6
SE IN WATER BY GFAA	SD21	SE	MXAX03X2	DV4F*236	XCCG	14-FEB-96	21-MAR-96	37.5	34.1	<	3.02 UGL	5.4
SE IN WATER BY GFAA	SD21	SE	MXAX03X2	DV4F*236	XCCG	14-FEB-96	21-MAR-96	37.5	32.3	<	3.02 UGL	5.4
SE IN WATER BY GFAA	SD21	SE	MXZM12X4	DV4F*276	XCBG	13-FEB-96	19-MAR-96	37.5	35.5	<	3.02 UGL	3

MS/MSD

IRDMIS		IRDMIS								Original Sample		
Method Code	Field	Test Name	Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value <	Units	Percent Recovery	RPD
SD21	SB IN WATER BY GPAA	SE	MXXM12X4	DV4W*276 XCBG	13-FEB-96	19-MAR-96	37.5	35.4	<	UGL	94.4	.3
SD21	SB IN WATER BY GPAA	SE	MXXA08A2	DV4W*460 XCDG	14-FEB-96	21-MAR-96	37.5	32.4	<	UGL	86.4	1.8
SD21	SB IN WATER BY GPAA	SE	MXXA08A2	DV4W*460 XCDG	14-FEB-96	21-MAR-96	37.5	33	<	UGL	88.0	1.8

avg												
minimum												
maximum												
SD22	AS IN WATER BY GPAA	AS	MXXG02X2	DV4P*164 YCFG	12-FEB-96	24-MAR-96	37.5	31.1	<	UGL	82.9	6.3
SD22	AS IN WATER BY GPAA	AS	MXXG02X2	DV4P*164 YCFG	12-FEB-96	24-MAR-96	37.5	29.2	<	UGL	77.9	6.3
SD22	AS IN WATER BY GPAA	AS	MXXA03X2	DV4P*236 YCGG	14-FEB-96	21-MAR-96	37.5	45.1	<	UGL	120.3	2.7
SD22	AS IN WATER BY GPAA	AS	MXXA03X2	DV4P*236 YCGG	14-FEB-96	21-MAR-96	37.5	43.9	<	UGL	117.1	2.7
SD22	AS IN WATER BY GPAA	AS	MXXM12X4	DV4P*276 YCFG	13-FEB-96	24-MAR-96	37.5	37.6	<	UGL	100.3	4.1
SD22	AS IN WATER BY GPAA	AS	MXXM12X4	DV4P*276 YCFG	13-FEB-96	24-MAR-96	37.5	36.1	<	UGL	96.3	4.1
SD22	AS IN WATER BY GPAA	AS	MXXG02X2	DV4W*164 YCFG	12-FEB-96	25-NAR-96	37.5	32.4	<	UGL	86.4	10.0
SD22	AS IN WATER BY GPAA	AS	MXXG02X2	DV4W*164 YCFG	12-FEB-96	25-MAR-96	37.5	29.3	<	UGL	78.1	10.0
SD22	AS IN WATER BY GPAA	AS	MXXA03X2	DV4W*236 YCGG	14-FEB-96	21-MAR-96	37.5	50.9	<	UGL	135.7	8.8
SD22	AS IN WATER BY GPAA	AS	MXXA03X2	DV4W*236 YCGG	14-FEB-96	21-MAR-96	37.5	46.6	<	UGL	124.3	8.8
SD22	AS IN WATER BY GPAA	AS	MXXM12X4	DV4W*276 YCFG	13-FEB-96	24-MAR-96	37.5	38.8	<	UGL	103.5	1.0
SD22	AS IN WATER BY GPAA	AS	MXXM12X4	DV4W*276 YCFG	13-FEB-96	24-MAR-96	37.5	38.4	<	UGL	102.4	1.0
SD22	AS IN WATER BY GPAA	AS	MXXA08A2	DV4W*460 YCHG	14-FEB-96	19-MAR-96	37.5	40.5	<	UGL	108.0	.5
SD22	AS IN WATER BY GPAA	AS	MXXA08A2	DV4W*460 YCHG	14-FEB-96	19-MAR-96	37.5	40.3	<	UGL	107.5	.5

avg												
minimum												
maximum												
SD28	SB IN WATER BY GPAA	SB	MXXG02X2	DV4P*164 NFJE	12-FEB-96	13-MAR-96	80	34.6	<	UGL	43.3	7.2
SD28	SB IN WATER BY GPAA	SB	MXXG02X2	DV4P*164 NFJE	12-FEB-96	13-MAR-96	80	32.2	<	UGL	40.3	7.2
SD28	SB IN WATER BY GPAA	SB	MXXA03X2	DV4P*236 NFKB	14-FEB-96	14-MAR-96	80	72.6	<	UGL	90.8	1.2
SD28	SB IN WATER BY GPAA	SB	MXXA03X2	DV4P*236 NFKB	14-FEB-96	14-MAR-96	80	71.7	<	UGL	89.6	1.2
SD28	SB IN WATER BY GPAA	SB	MXXM12X4	DV4P*276 NFJE	13-FEB-96	13-MAR-96	80	74.8	<	UGL	93.5	3.8
SD28	SB IN WATER BY GPAA	SB	MXXM12X4	DV4P*276 NFJE	13-FEB-96	13-MAR-96	80	72	<	UGL	90.0	3.8
SD28	SB IN WATER BY GPAA	SB	MXXG02X2	DV4W*164 NFJE	12-FEB-96	13-MAR-96	80	31.6	<	UGL	39.5	.0
SD28	SB IN WATER BY GPAA	SB	MXXG02X2	DV4W*164 NFJE	12-FEB-96	13-MAR-96	80	31.6	<	UGL	39.5	.0

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

NS/MSD

Method Description	IRDMIS Code	IRDMIS Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value <	Original Sample Value Units	Percent Recovery	RPD
SB IN WATER BY GPAA	SD28	SB	MXAX03X2	DV4W*236 NFKE	14-FEB-96	14-MAR-96	80	62.7	<	3.03 UGL	78.4	3.7
SB IN WATER BY GPAA	SD28	SB	MXAX03X2	DV4W*236 NFKE	14-FEB-96	14-MAR-96	80	60.4	<	3.03 UGL	75.5	3.7
SB IN WATER BY GPAA	SD28	SB	MXZW12X4	DV4W*276 NFJE	13-FEB-96	13-MAR-96	80	60.2	<	3.03 UGL	75.3	2.7
SB IN WATER BY GPAA	SD28	SB	MXZW12X4	DV4W*276 NFJE	13-FEB-96	13-MAR-96	80	58.6	<	3.03 UGL	73.3	2.7
SB IN WATER BY GPAA	SD28	SB	MXAX08A2	DV4W*460 NFLE	14-FEB-96	21-MAR-96	80	62.2	<	3.03 UGL	77.8	3.8
SB IN WATER BY GPAA	SD28	SB	MXAX08A2	DV4W*460 NFLE	14-FEB-96	21-MAR-96	80	59.9	<	3.03 UGL	74.9	3.8

avg											70.1	
minimum											39.5	
maximum											93.5	
METALS IN WATER BY ICAP	SS10	AG	MXG02X2	DV4P*164 ZPZF	12-FEB-96	08-MAR-96	50	48.7	<	4.6 UGL	97.4	1.2
METALS IN WATER BY ICAP	SS10	AG	MXG02X2	DV4P*164 ZPZF	12-FEB-96	08-MAR-96	50	48.1	<	4.6 UGL	96.2	1.2
METALS IN WATER BY ICAP	SS10	AG	MXAX03X2	DV4P*236 ZPAG	14-FEB-96	08-MAR-96	50	48.7	<	4.6 UGL	97.4	.2
METALS IN WATER BY ICAP	SS10	AG	MXAX03X2	DV4P*236 ZPAG	14-FEB-96	08-MAR-96	50	48.6	<	4.6 UGL	97.2	.2
METALS IN WATER BY ICAP	SS10	AG	MXZW12X4	DV4P*276 ZPZF	13-FEB-96	08-MAR-96	50	50.4	<	4.6 UGL	100.8	8.7
METALS IN WATER BY ICAP	SS10	AG	MXZW12X4	DV4P*276 ZPZF	13-FEB-96	08-MAR-96	50	46.2	<	4.6 UGL	92.4	8.7
METALS IN WATER BY ICAP	SS10	AG	MXG02X2	DV4W*164 ZPZF	12-FEB-96	08-MAR-96	50	52.1	<	4.6 UGL	104.2	3.9
METALS IN WATER BY ICAP	SS10	AG	MXG02X2	DV4W*164 ZPZF	12-FEB-96	08-MAR-96	50	50.7	<	4.6 UGL	100.2	3.9
METALS IN WATER BY ICAP	SS10	AG	MXAX03X2	DV4W*236 ZPAG	14-FEB-96	08-MAR-96	50	50.1	<	4.6 UGL	101.4	3.2
METALS IN WATER BY ICAP	SS10	AG	MXAX03X2	DV4W*236 ZPAG	14-FEB-96	08-MAR-96	50	49.1	<	4.6 UGL	98.2	3.2
METALS IN WATER BY ICAP	SS10	AG	MXZW12X4	DV4W*276 ZPZF	13-FEB-96	08-MAR-96	50	50.8	<	4.6 UGL	101.6	1.0
METALS IN WATER BY ICAP	SS10	AG	MXZW12X4	DV4W*276 ZPZF	13-FEB-96	08-MAR-96	50	50.3	<	4.6 UGL	100.6	1.0
METALS IN WATER BY ICAP	SS10	AG	MX5708B2	DV4W*462 ZFBG	15-FEB-96	12-MAR-96	50	51.2	<	4.6 UGL	102.4	2.6
METALS IN WATER BY ICAP	SS10	AG	MX5708B2	DV4W*462 ZFBG	15-FEB-96	12-MAR-96	50	49.9	<	4.6 UGL	99.8	2.6

avg											99.3	
minimum											92.4	
maximum											104.2	
METALS IN WATER BY ICAP	SS10	AL	MXG02X2	DV4P*164 ZPZF	12-FEB-96	08-MAR-96	2000	1860	<	141 UGL	93.0	1.1
METALS IN WATER BY ICAP	SS10	AL	MXG02X2	DV4P*164 ZPZF	12-FEB-96	08-MAR-96	2000	1840	<	141 UGL	92.0	1.1
METALS IN WATER BY ICAP	SS10	AL	MXAX03X2	DV4P*236 ZPAG	14-FEB-96	08-MAR-96	2000	2000	<	141 UGL	100.0	.5
METALS IN WATER BY ICAP	SS10	AL	MXAX03X2	DV4P*236 ZPAG	14-FEB-96	08-MAR-96	2000	1990	<	141 UGL	99.5	.5
METALS IN WATER BY ICAP	SS10	AL	MXZW12X4	DV4P*276 ZPZF	13-FEB-96	08-MAR-96	2000	1920	<	141 UGL	96.0	4.3
METALS IN WATER BY ICAP	SS10	AL	MXZW12X4	DV4P*276 ZPZF	13-FEB-96	08-MAR-96	2000	1840	<	141 UGL	92.0	4.3

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

MS/MSD

Method Description	IRDMIS Code	IRDMIS Field Sample Number	Test Name	IRDMIS				Analysis Date	Spike Value	Original Sample		Percent Recovery	RPD	
				Lab Number	Lot	Sample Date	Value <			Units				
METALS IN WATER BY ICAP	SS10	AL	MXG302X2	DV4W*164	2P2P	12-FEB-96	08-MAR-96	2000	1990	<	141 UGL	99.5	1.0	
	SS10	AL	MXG302X2	DV4W*164	2P2P	12-FEB-96	08-MAR-96	2000	1970	<	141 UGL	98.5	1.0	
	SS10	AL	MXAX03X2	DV4W*236	2PAG	14-FEB-96	08-MAR-96	2000	2070	<	925 UGL	103.5	4.4	
	SS10	AL	MXAX03X2	DV4W*236	2PAG	14-FEB-96	08-MAR-96	2000	1980	<	925 UGL	99.0	4.4	
	SS10	AL	MX2W12X4	DV4W*276	2P2P	13-FEB-96	08-MAR-96	2000	1940	<	591 UGL	97.0	1.0	
	SS10	AL	MX2W12X4	DV4W*276	2P2P	13-FEB-96	08-MAR-96	2000	1920	<	591 UGL	96.0	1.0	
	SS10	AL	MX5708B2	DV4W*462	2PBG	15-FEB-96	12-MAR-96	2000	2040	<	141 UGL	102.0	1.0	
	SS10	AL	MX5708B2	DV4W*462	2PBG	15-FEB-96	12-MAR-96	2000	2020	<	141 UGL	101.0	1.0	

	avg 97.8													
minimum 92.0														
maximum 103.5														
METALS IN WATER BY ICAP	SS10	BA	MXG302X2	DV4P*164	2P2P	12-FEB-96	08-MAR-96	2000	1790	<	34.6 UGL	89.5	1.7	
	SS10	BA	MXG302X2	DV4P*164	2P2P	12-FEB-96	08-MAR-96	2000	1760	<	34.6 UGL	88.0	1.7	
	SS10	BA	MXAX03X2	DV4P*236	2PAG	14-FEB-96	08-MAR-96	2000	1890	<	16 UGL	94.5	1.6	
	SS10	BA	MXAX03X2	DV4P*236	2PAG	14-FEB-96	08-MAR-96	2000	1860	<	16 UGL	93.0	1.6	
	SS10	BA	MX2W12X4	DV4P*276	2P2P	13-FEB-96	08-MAR-96	2000	1760	<	5 UGL	88.0	4.1	
	SS10	BA	MX2W12X4	DV4P*276	2P2P	13-FEB-96	08-MAR-96	2000	1690	<	5 UGL	84.5	4.1	
	SS10	BA	MXG302X2	DV4W*164	2P2P	12-FEB-96	08-MAR-96	2000	1860	<	33 UGL	93.0	2.7	
	SS10	BA	MXG302X2	DV4W*164	2P2P	12-FEB-96	08-MAR-96	2000	1810	<	33 UGL	90.5	2.7	
	SS10	BA	MXAX03X2	DV4W*236	2PAG	14-FEB-96	08-MAR-96	2000	1890	<	27 UGL	94.5	.5	
	SS10	BA	MXAX03X2	DV4W*236	2PAG	14-FEB-96	08-MAR-96	2000	1880	<	27 UGL	94.0	.5	
METALS IN WATER BY ICAP	SS10	BA	MX2W12X4	DV4W*276	2P2P	13-FEB-96	08-MAR-96	2000	1810	<	6.74 UGL	90.5	.6	
	SS10	BA	MX2W12X4	DV4W*276	2P2P	13-FEB-96	08-MAR-96	2000	1800	<	6.74 UGL	90.0	.6	
	SS10	BA	MX5708B2	DV4W*462	2PBG	15-FEB-96	12-MAR-96	2000	1890	<	7.31 UGL	94.5	1.6	
	SS10	BA	MX5708B2	DV4W*462	2PBG	15-FEB-96	12-MAR-96	2000	1860	<	7.31 UGL	93.0	1.6	

	avg 91.3													
	minimum 84.5													
	maximum 94.5													
	METALS IN WATER BY ICAP	SS10	BE	MXG302X2	DV4P*164	2P2P	12-FEB-96	08-MAR-96	50	58.2	<	5 UGL	116.4	2.6
		SS10	BE	MXG302X2	DV4P*164	2P2P	12-FEB-96	08-MAR-96	50	56.7	<	5 UGL	113.4	2.6
SS10		BE	MXAX03X2	DV4P*236	2PAG	14-FEB-96	08-MAR-96	50	56.7	<	5 UGL	113.4	.5	
SS10		BE	MXAX03X2	DV4P*236	2PAG	14-FEB-96	08-MAR-96	50	56.4	<	5 UGL	112.8	.5	
SS10		BE	MX2W12X4	DV4P*276	2P2P	13-FEB-96	08-MAR-96	50	56.7	<	5 UGL	113.4	5.2	

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

MS/MSD

Method Description	IRDMIS Method Code	IRDMIS Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value <	Original Sample Value	Percent Recovery	RPD
METALS IN WATER BY ICAP	SS10	BE	MX2W12X4	DV4P*276 ZFZF	13-FEB-96	08-MAR-96	50	53.8	<	5 UGL	107.6	5.2
METALS IN WATER BY ICAP	SS10	BE	MXG302X2	DV4P*164 ZFZF	12-FEB-96	08-MAR-96	50	58.2	<	5 UGL	116.4	.0
METALS IN WATER BY ICAP	SS10	BE	MXG302X2	DV4P*164 ZFZF	12-FEB-96	08-MAR-96	50	58.2	<	5 UGL	116.4	.0
METALS IN WATER BY ICAP	SS10	BE	MXAX03X2	DV4P*236 ZFAG	14-FEB-96	08-MAR-96	50	57.9	<	5 UGL	115.8	1.0
METALS IN WATER BY ICAP	SS10	BE	MXAX03X2	DV4P*236 ZFAG	14-FEB-96	08-MAR-96	50	57.3	<	5 UGL	114.6	1.0
METALS IN WATER BY ICAP	SS10	BE	MX2W12X4	DV4P*276 ZFZF	13-FEB-96	08-MAR-96	50	58.1	<	5 UGL	116.2	.0
METALS IN WATER BY ICAP	SS10	BE	MX2W12X4	DV4P*276 ZFZF	13-FEB-96	08-MAR-96	50	58.1	<	5 UGL	116.2	.0
METALS IN WATER BY ICAP	SS10	BE	MX5708B2	DV4N*462 ZFBG	15-FEB-96	12-MAR-96	50	57.4	<	5 UGL	114.8	1.9
METALS IN WATER BY ICAP	SS10	BE	MX5708B2	DV4N*462 ZFBG	15-FEB-96	12-MAR-96	50	56.3	<	5 UGL	112.6	1.9

avg											114.3	
minimum											107.6	
maximum											116.4	
METALS IN WATER BY ICAP	SS10	CA	MXG302X2	DV4P*164 ZFZF	12-FEB-96	08-MAR-96	10000	9790		10100 UGL	97.9	2.0
METALS IN WATER BY ICAP	SS10	CA	MXG302X2	DV4P*164 ZFZF	12-FEB-96	08-MAR-96	10000	9600		10100 UGL	96.0	2.0
METALS IN WATER BY ICAP	SS10	CA	MXAX03X2	DV4P*236 ZFAG	14-FEB-96	08-MAR-96	10000	10600		69100 UGL	106.0	14.6
METALS IN WATER BY ICAP	SS10	CA	MXAX03X2	DV4P*236 ZFAG	14-FEB-96	08-MAR-96	10000	9160		69100 UGL	91.6	14.6
METALS IN WATER BY ICAP	SS10	CA	MX2W12X4	DV4P*276 ZFZF	13-FEB-96	08-MAR-96	10000	10200		18000 UGL	102.0	10.3
METALS IN WATER BY ICAP	SS10	CA	MX2W12X4	DV4P*276 ZFZF	13-FEB-96	08-MAR-96	10000	9200		18000 UGL	92.0	10.3
METALS IN WATER BY ICAP	SS10	CA	MXG302X2	DV4P*164 ZFZF	12-FEB-96	08-MAR-96	10000	10600		10200 UGL	106.0	4.8
METALS IN WATER BY ICAP	SS10	CA	MXG302X2	DV4P*164 ZFZF	12-FEB-96	08-MAR-96	10000	10100		10200 UGL	101.0	4.8
METALS IN WATER BY ICAP	SS10	CA	MXAX03X2	DV4P*236 ZFAG	14-FEB-96	08-MAR-96	10000	11300		56600 UGL	113.0	5.5
METALS IN WATER BY ICAP	SS10	CA	MXAX03X2	DV4P*236 ZFAG	14-FEB-96	08-MAR-96	10000	10700		56600 UGL	107.0	5.5
METALS IN WATER BY ICAP	SS10	CA	MX2W12X4	DV4P*276 ZFZF	13-FEB-96	08-MAR-96	10000	10200		19300 UGL	102.0	3.9
METALS IN WATER BY ICAP	SS10	CA	MX2W12X4	DV4P*276 ZFZF	13-FEB-96	08-MAR-96	10000	9810		19300 UGL	98.1	3.9
METALS IN WATER BY ICAP	SS10	CA	MX5708B2	DV4N*462 ZFBG	15-FEB-96	12-MAR-96	10000	10400		13600 UGL	104.0	5.8
METALS IN WATER BY ICAP	SS10	CA	MX5708B2	DV4N*462 ZFBG	15-FEB-96	12-MAR-96	10000	9810		13600 UGL	98.1	5.8

avg											101.1	
minimum											91.6	
maximum											113.0	
METALS IN WATER BY ICAP	SS10	CD	MXG302X2	DV4P*164 ZFZF	12-FEB-96	08-MAR-96	50	52.3	<	4.01 UGL	104.6	1.5
METALS IN WATER BY ICAP	SS10	CD	MXG302X2	DV4P*164 ZFZF	12-FEB-96	08-MAR-96	50	51.5	<	4.01 UGL	103.0	1.5
METALS IN WATER BY ICAP	SS10	CD	MXAX03X2	DV4P*236 ZFAG	14-FEB-96	08-MAR-96	50	51.1	<	4.01 UGL	102.2	1.4
METALS IN WATER BY ICAP	SS10	CD	MXAX03X2	DV4P*236 ZFAG	14-FEB-96	08-MAR-96	50	50.4	<	4.01 UGL	100.8	1.4

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

MS/MSD

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value <	Original Sample Value Units	Percent Recovery	RPD
METALS IN WATER BY ICAP	SS10	CD	MX2W12X4	DVAF*276 ZPZF	13-PHB-96	08-MAR-96	50	52.2	<	4.01 UGL	104.4	.6
METALS IN WATER BY ICAP	SS10	CD	MX2W12X4	DVAF*276 ZPZF	13-PHB-96	08-MAR-96	50	51.9	<	4.01 UGL	103.8	.6
METALS IN WATER BY ICAP	SS10	CD	MXG02X2	DVAF*164 ZPZF	12-PHB-96	08-MAR-96	50	49.1	<	4.01 UGL	98.2	2.7
METALS IN WATER BY ICAP	SS10	CD	MXG02X2	DVAF*164 ZPZF	12-PHB-96	08-MAR-96	50	47.8	<	4.01 UGL	95.6	2.7
METALS IN WATER BY ICAP	SS10	CD	MXAX03X2	DVAF*236 ZPAG	14-PHB-96	08-MAR-96	50	50.5	<	4.01 UGL	101.0	1.8
METALS IN WATER BY ICAP	SS10	CD	MXAX03X2	DVAF*236 ZPAG	14-PHB-96	08-MAR-96	50	49.6	<	4.01 UGL	99.2	1.8
METALS IN WATER BY ICAP	SS10	CD	MX2W12X4	DVAF*276 ZPZF	13-PHB-96	08-MAR-96	50	47.8	<	4.01 UGL	95.6	5.6
METALS IN WATER BY ICAP	SS10	CD	MX2W12X4	DVAF*276 ZPZF	13-PHB-96	08-MAR-96	50	45.2	<	4.01 UGL	90.4	5.6
METALS IN WATER BY ICAP	SS10	CD	MX5708B2	DVAF*462 ZPBG	15-PHB-96	12-MAR-96	50	49.5	<	4.01 UGL	99.0	1.4
METALS IN WATER BY ICAP	SS10	CD	MX5708B2	DVAF*462 ZPBG	15-PHB-96	12-MAR-96	50	48.8	<	4.01 UGL	97.6	1.4

avg											99.7	
minimum											90.4	
maximum											104.6	
METALS IN WATER BY ICAP	SS10	CO	MXG02X2	DVAF*164 ZPZF	12-PHB-96	08-MAR-96	500	544	<	25 UGL	108.8	1.1
METALS IN WATER BY ICAP	SS10	CO	MXG02X2	DVAF*164 ZPZF	12-PHB-96	08-MAR-96	500	538	<	25 UGL	107.6	1.1
METALS IN WATER BY ICAP	SS10	CO	MXAX03X2	DVAF*236 ZPAG	14-PHB-96	08-MAR-96	500	556	<	25 UGL	111.2	.4
METALS IN WATER BY ICAP	SS10	CO	MXAX03X2	DVAF*236 ZPAG	14-PHB-96	08-MAR-96	500	554	<	25 UGL	110.8	.4
METALS IN WATER BY ICAP	SS10	CO	MX2W12X4	DVAF*276 ZPZF	13-PHB-96	08-MAR-96	500	538	<	25 UGL	107.6	3.6
METALS IN WATER BY ICAP	SS10	CO	MX2W12X4	DVAF*276 ZPZF	13-PHB-96	08-MAR-96	500	519	<	25 UGL	103.8	3.6
METALS IN WATER BY ICAP	SS10	CO	MXG02X2	DVAF*164 ZPZF	12-PHB-96	08-MAR-96	500	562	<	25 UGL	112.4	1.6
METALS IN WATER BY ICAP	SS10	CO	MXG02X2	DVAF*164 ZPZF	12-PHB-96	08-MAR-96	500	553	<	25 UGL	110.6	1.6
METALS IN WATER BY ICAP	SS10	CO	MXAX03X2	DVAF*236 ZPAG	14-PHB-96	08-MAR-96	500	580	<	25 UGL	116.0	2.8
METALS IN WATER BY ICAP	SS10	CO	MXAX03X2	DVAF*236 ZPAG	14-PHB-96	08-MAR-96	500	564	<	25 UGL	112.8	2.8
METALS IN WATER BY ICAP	SS10	CO	MX2W12X4	DVAF*276 ZPZF	13-PHB-96	08-MAR-96	500	562	<	25 UGL	112.4	3.1
METALS IN WATER BY ICAP	SS10	CO	MX2W12X4	DVAF*276 ZPZF	13-PHB-96	08-MAR-96	500	545	<	25 UGL	109.0	3.1
METALS IN WATER BY ICAP	SS10	CO	MX5708B2	DVAF*462 ZPBG	15-PHB-96	12-MAR-96	500	577	<	25 UGL	115.4	2.3
METALS IN WATER BY ICAP	SS10	CO	MX5708B2	DVAF*462 ZPBG	15-PHB-96	12-MAR-96	500	564	<	25 UGL	112.8	2.3

avg											110.8	
minimum											103.8	
maximum											116.0	
METALS IN WATER BY ICAP	SS10	CR	MXG02X2	DVAF*164 ZPZF	12-PHB-96	08-MAR-96	200	187	<	6.02 UGL	93.5	.5
METALS IN WATER BY ICAP	SS10	CR	MXG02X2	DVAF*164 ZPZF	12-PHB-96	08-MAR-96	200	186	<	6.02 UGL	93.0	.5
METALS IN WATER BY ICAP	SS10	CR	MXAX03X2	DVAF*236 ZPAG	14-PHB-96	08-MAR-96	200	196	<	6.02 UGL	98.0	1.0

Chemical Quality Control Report
Installation: Fort Devens, MA (DW)
Group 4 Sites

MS/MSD

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value <	Original Sample Value Units	Percent Recovery	RPD
METALS IN WATER BY ICAP	SS10	CR	MXAX03X2	DV4F*236	ZFAG	14-FEB-96	08-MAR-96	200	194	6.02 UGL	97.0	1.0
METALS IN WATER BY ICAP	SS10	CR	MXZW12X4	DV4F*276	ZFZF	13-FEB-96	08-MAR-96	200	187	6.02 UGL	93.5	3.8
METALS IN WATER BY ICAP	SS10	CR	MXZW12X4	DV4F*276	ZFZF	13-FEB-96	08-MAR-96	200	180	6.02 UGL	90.0	3.8
METALS IN WATER BY ICAP	SS10	CR	MXG02X2	DV4W*164	ZFZF	12-FEB-96	08-MAR-96	200	196	6.02 UGL	98.0	2.6
METALS IN WATER BY ICAP	SS10	CR	MXG02X2	DV4W*164	ZFZF	12-FEB-96	08-MAR-96	200	191	6.02 UGL	95.5	2.6
METALS IN WATER BY ICAP	SS10	CR	MXAX03X2	DV4W*236	ZFAG	14-FEB-96	08-MAR-96	200	202	6.02 UGL	101.0	2.0
METALS IN WATER BY ICAP	SS10	CR	MXAX03X2	DV4W*236	ZFAG	14-FEB-96	08-MAR-96	200	198	6.02 UGL	99.0	2.0
METALS IN WATER BY ICAP	SS10	CR	MXZW12X4	DV4W*276	ZFZF	13-FEB-96	08-MAR-96	200	194	6.02 UGL	97.0	1.6
METALS IN WATER BY ICAP	SS10	CR	MXZW12X4	DV4W*276	ZFZF	13-FEB-96	08-MAR-96	200	191	6.02 UGL	95.5	1.6
METALS IN WATER BY ICAP	SS10	CR	MX5708B2	DV4W*462	ZFBG	15-FEB-96	12-MAR-96	200	203	6.02 UGL	101.5	1.5
METALS IN WATER BY ICAP	SS10	CR	MX5708B2	DV4W*462	ZFBG	15-FEB-96	12-MAR-96	200	200	6.02 UGL	100.0	1.5

avg												
minimum												
maximum												
METALS IN WATER BY ICAP	SS10	CU	MXG02X2	DV4F*164	ZFZF	12-FEB-96	08-MAR-96	250	246	8.09 UGL	98.4	.8
METALS IN WATER BY ICAP	SS10	CU	MXG02X2	DV4F*164	ZFZF	12-FEB-96	08-MAR-96	250	244	8.09 UGL	97.6	.8
METALS IN WATER BY ICAP	SS10	CU	MXAX03X2	DV4F*236	ZFAG	14-FEB-96	08-MAR-96	250	252	8.09 UGL	100.8	1.2
METALS IN WATER BY ICAP	SS10	CU	MXAX03X2	DV4F*236	ZFAG	14-FEB-96	08-MAR-96	250	249	8.09 UGL	99.6	1.2
METALS IN WATER BY ICAP	SS10	CU	MXZW12X4	DV4F*276	ZFZF	13-FEB-96	08-MAR-96	250	239	8.09 UGL	95.6	4.3
METALS IN WATER BY ICAP	SS10	CU	MXZW12X4	DV4F*276	ZFZF	13-FEB-96	08-MAR-96	250	229	8.09 UGL	91.6	4.3
METALS IN WATER BY ICAP	SS10	CU	MXG02X2	DV4W*164	ZFZF	12-FEB-96	08-MAR-96	250	251	8.09 UGL	100.4	1.6
METALS IN WATER BY ICAP	SS10	CU	MXAX03X2	DV4W*236	ZFAG	14-FEB-96	08-MAR-96	250	247	8.09 UGL	98.8	1.6
METALS IN WATER BY ICAP	SS10	CU	MXAX03X2	DV4W*236	ZFAG	14-FEB-96	08-MAR-96	250	258	8.09 UGL	103.2	.8
METALS IN WATER BY ICAP	SS10	CU	MXZW12X4	DV4W*276	ZFZF	13-FEB-96	08-MAR-96	250	256	8.09 UGL	102.4	.8
METALS IN WATER BY ICAP	SS10	CU	MXZW12X4	DV4W*276	ZFZF	13-FEB-96	08-MAR-96	250	250	8.09 UGL	100.0	1.2
METALS IN WATER BY ICAP	SS10	CU	MX5708B2	DV4W*462	ZFBG	15-FEB-96	12-MAR-96	250	247	8.09 UGL	98.8	1.2
METALS IN WATER BY ICAP	SS10	CU	MX5708B2	DV4W*462	ZFBG	15-FEB-96	12-MAR-96	250	256	8.09 UGL	102.4	.8
METALS IN WATER BY ICAP	SS10	CU	MX5708B2	DV4W*462	ZFBG	15-FEB-96	12-MAR-96	250	254	8.09 UGL	101.6	.8

avg												
minimum												
maximum												
METALS IN WATER BY ICAP	SS10	FE	MXG02X2	DV4F*164	ZFZF	12-FEB-96	08-MAR-96	1000	1000	38.8 UGL	100.0	.9
METALS IN WATER BY ICAP	SS10	FE	MXG02X2	DV4F*164	ZFZF	12-FEB-96	08-MAR-96	1000	991	38.8 UGL	99.1	.9

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

MS/MSD

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value <	Original Sample Value Units	Percent Recovery	RPD
METALS IN WATER BY ICAP	SS10	PE	MXAX03X2	DV4P*236	ZPAG	14-FEB-96	08-MAR-96	1000	1080	357 UGL	108.0	1.9
METALS IN WATER BY ICAP	SS10	PE	MXAX03X2	DV4P*236	ZPAG	14-FEB-96	08-MAR-96	1000	1060	357 UGL	106.0	1.9
METALS IN WATER BY ICAP	SS10	PE	MXZM12X4	DV4P*276	ZPZF	13-FEB-96	08-MAR-96	1000	1010	38.8 UGL	101.0	3.6
METALS IN WATER BY ICAP	SS10	PE	MXZM12X4	DV4P*276	ZPZF	13-FEB-96	08-MAR-96	1000	974	38.8 UGL	97.4	3.6
METALS IN WATER BY ICAP	SS10	PE	MXG302X2	DV4W*164	ZPZF	12-FEB-96	08-MAR-96	1000	1070	38.8 UGL	107.0	1.9
METALS IN WATER BY ICAP	SS10	PE	MXG302X2	DV4W*164	ZPZF	12-FEB-96	08-MAR-96	1000	1050	38.8 UGL	105.0	1.9
METALS IN WATER BY ICAP	SS10	PE	MXAX03X2	DV4W*236	ZPAG	14-FEB-96	08-MAR-96	1000	1040	3030 UGL	104.0	1.0
METALS IN WATER BY ICAP	SS10	PE	MXAX03X2	DV4W*236	ZPAG	14-FEB-96	08-MAR-96	1000	1030	3030 UGL	103.0	1.0
METALS IN WATER BY ICAP	SS10	PE	MXZM12X4	DV4W*276	ZPZF	13-FEB-96	08-MAR-96	1000	1020	664 UGL	102.0	.0
METALS IN WATER BY ICAP	SS10	PE	MXZM12X4	DV4W*276	ZPZF	13-FEB-96	08-MAR-96	1000	1020	664 UGL	102.0	.0
METALS IN WATER BY ICAP	SS10	PE	MX5708B2	DV4W*462	ZPBG	15-FEB-96	12-MAR-96	1000	1050	38.8 UGL	105.0	1.9
METALS IN WATER BY ICAP	SS10	PE	MX5708B2	DV4W*462	ZPBG	15-FEB-96	12-MAR-96	1000	1030	38.8 UGL	103.0	1.9

avg												
minimum												
maximum												
METALS IN WATER BY ICAP	SS10	K	MXG302X2	DV4P*164	ZPZF	12-FEB-96	08-MAR-96	10000	10400	2490 UGL	104.0	4.0
METALS IN WATER BY ICAP	SS10	K	MXG302X2	DV4P*164	ZPZF	12-FEB-96	08-MAR-96	10000	9990	2490 UGL	99.9	4.0
METALS IN WATER BY ICAP	SS10	K	MXAX03X2	DV4P*236	ZPAG	14-FEB-96	08-MAR-96	10000	10700	3130 UGL	107.0	.9
METALS IN WATER BY ICAP	SS10	K	MXAX03X2	DV4P*236	ZPAG	14-FEB-96	08-MAR-96	10000	10600	3130 UGL	106.0	.9
METALS IN WATER BY ICAP	SS10	K	MXZM12X4	DV4P*276	ZPZF	13-FEB-96	08-MAR-96	10000	10700	1660 UGL	107.0	4.8
METALS IN WATER BY ICAP	SS10	K	MXZM12X4	DV4P*276	ZPZF	13-FEB-96	08-MAR-96	10000	10200	1660 UGL	102.0	4.8
METALS IN WATER BY ICAP	SS10	K	MXG302X2	DV4W*164	ZPZF	12-FEB-96	08-MAR-96	10000	11300	1700 UGL	113.0	.9
METALS IN WATER BY ICAP	SS10	K	MXG302X2	DV4W*164	ZPZF	12-FEB-96	08-MAR-96	10000	11200	1700 UGL	112.0	.9
METALS IN WATER BY ICAP	SS10	K	MXAX03X2	DV4W*236	ZPAG	14-FEB-96	08-MAR-96	10000	10900	2630 UGL	109.0	3.7
METALS IN WATER BY ICAP	SS10	K	MXAX03X2	DV4W*236	ZPAG	14-FEB-96	08-MAR-96	10000	10500	2630 UGL	105.0	3.7
METALS IN WATER BY ICAP	SS10	K	MXZM12X4	DV4W*276	ZPZF	13-FEB-96	08-MAR-96	10000	11100	1610 UGL	111.0	2.7
METALS IN WATER BY ICAP	SS10	K	MXZM12X4	DV4W*276	ZPZF	13-FEB-96	08-MAR-96	10000	10800	1610 UGL	108.0	2.7
METALS IN WATER BY ICAP	SS10	K	MX5708B2	DV4W*462	ZPBG	15-FEB-96	12-MAR-96	10000	11500	1410 UGL	115.0	3.5
METALS IN WATER BY ICAP	SS10	K	MX5708B2	DV4W*462	ZPBG	15-FEB-96	12-MAR-96	10000	11100	1410 UGL	111.0	3.5

avg												
minimum												
maximum												
METALS IN WATER BY ICAP	SS10	MG	MXG302X2	DV4P*164	ZPZF	12-FEB-96	08-MAR-96	10000	9520	895 UGL	95.2	.6

MS/MSD

[illegible]

MS/MSD

IRDMIS Method Code	IRDMIS Field Number	Test Name	IRDMIS				Analysis Date	Spike Value	Original Sample		Percent Recovery	RPD	
			Lab Number	Lot	Sample Date	Value <			Value Units				
METALS IN WATER BY ICAP	SS10	NA	MXG302X2	DVAP*164	ZPZF	12-FEB-96	08-MAR-96	10000	8960	49100	UGL	89.6	1.2
	SS10	NA	MXG302X2	DVAP*164	ZPZF	12-FEB-96	08-MAR-96	10000	8850	49100	UGL	88.5	1.2
	SS10	NA	MXAX03X2	DVAP*236	ZPAG	14-FEB-96	08-MAR-96	10000	11100	44200	UGL	111.0	10.4
	SS10	NA	MXAX03X2	DVAP*236	ZPAG	14-FEB-96	08-MAR-96	10000	10000	44200	UGL	100.0	10.4
	SS10	NA	MXZW12X4	DVAP*276	ZPZF	13-FEB-96	08-MAR-96	10000	10200	19500	UGL	102.0	9.8
	SS10	NA	MXZW12X4	DVAP*276	ZPZF	13-FEB-96	08-MAR-96	10000	9250	19500	UGL	92.5	9.8
	SS10	NA	MXG302X2	DVAP*164	ZPZF	12-FEB-96	08-MAR-96	10000	11100	50800	UGL	111.0	17.2
	SS10	NA	MXG302X2	DVAP*164	ZPZF	12-FEB-96	08-MAR-96	10000	9340	50800	UGL	93.4	17.2
	SS10	NA	MXAX03X2	DVAP*236	ZPAG	14-FEB-96	08-MAR-96	10000	11300	40700	UGL	113.0	3.6
	SS10	NA	MXAX03X2	DVAP*236	ZPAG	14-FEB-96	08-MAR-96	10000	10900	40700	UGL	109.0	3.6
	SS10	NA	MXZW12X4	DVAP*276	ZPZF	13-FEB-96	08-MAR-96	10000	10200	21400	UGL	102.0	4.3
	SS10	NA	MXZW12X4	DVAP*276	ZPZF	13-FEB-96	08-MAR-96	10000	9770	21400	UGL	97.7	4.3
	SS10	NA	MX5708B2	DVAP*462	ZFBG	15-FEB-96	12-MAR-96	10000	10100	30700	UGL	101.0	8.5
	SS10	NA	MX5708B2	DVAP*462	ZFBG	15-FEB-96	12-MAR-96	10000	9280	30700	UGL	92.8	8.5

	avg												
minimum													
maximum													
METALS IN WATER BY ICAP	SS10	NI	MXG302X2	DVAP*164	ZPZF	12-FEB-96	08-MAR-96	500	545	34.3	UGL	109.0	1.5
	SS10	NI	MXG302X2	DVAP*164	ZPZF	12-FEB-96	08-MAR-96	500	537	34.3	UGL	107.4	1.5
	SS10	NI	MXAX03X2	DVAP*236	ZPAG	14-FEB-96	08-MAR-96	500	576	34.3	UGL	115.2	2.1
	SS10	NI	MXAX03X2	DVAP*236	ZPAG	14-FEB-96	08-MAR-96	500	564	34.3	UGL	112.8	2.1
	SS10	NI	MXZW12X4	DVAP*276	ZPZF	13-FEB-96	08-MAR-96	500	549	34.3	UGL	109.8	4.9
	SS10	NI	MXZW12X4	DVAP*276	ZPZF	13-FEB-96	08-MAR-96	500	523	34.3	UGL	104.6	4.9
	SS10	NI	MXG302X2	DVAP*164	ZPZF	12-FEB-96	08-MAR-96	500	573	34.3	UGL	114.6	2.8
	SS10	NI	MXG302X2	DVAP*164	ZPZF	12-FEB-96	08-MAR-96	500	557	34.3	UGL	111.4	2.8
	SS10	NI	MXAX03X2	DVAP*236	ZPAG	14-FEB-96	08-MAR-96	500	588	34.3	UGL	117.6	1.2
	SS10	NI	MXAX03X2	DVAP*236	ZPAG	14-FEB-96	08-MAR-96	500	581	34.3	UGL	116.2	1.2
	SS10	NI	MXZW12X4	DVAP*276	ZPZF	13-FEB-96	08-MAR-96	500	558	34.3	UGL	111.6	.5
	SS10	NI	MXZW12X4	DVAP*276	ZPZF	13-FEB-96	08-MAR-96	500	555	34.3	UGL	111.0	.5
	SS10	NI	MX5708B2	DVAP*462	ZFBG	15-FEB-96	12-MAR-96	500	585	34.3	UGL	117.0	2.8
	SS10	NI	MX5708B2	DVAP*462	ZFBG	15-FEB-96	12-MAR-96	500	569	34.3	UGL	113.8	2.8

	avg												
minimum													
maximum													

MS/MSD

IRDMIS Method Code	IRDMIS Field Number	Test Name	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value <	Original	Percent Recovery	RPD			
									sample Value			Units		
SS10	V	METALS IN WATER BY ICAP	MXG302X2	DV4F*164	2FZF	12-FEB-96	08-MAR-96	500	503	<	11	UGL	100.6	1.0
SS10	V	METALS IN WATER BY ICAP	MXG302X2	DV4F*164	2FZF	12-FEB-96	08-MAR-96	500	498	<	11	UGL	99.6	1.0
SS10	V	METALS IN WATER BY ICAP	MXAX03X2	DV4F*236	2FAG	14-FEB-96	08-MAR-96	500	518	<	11	UGL	103.6	1.4
SS10	V	METALS IN WATER BY ICAP	MXAX03X2	DV4F*236	2FAG	14-FEB-96	08-MAR-96	500	511	<	11	UGL	102.2	1.4
SS10	V	METALS IN WATER BY ICAP	MXZW12X4	DV4F*276	2FZF	13-FEB-96	08-MAR-96	500	498	<	11	UGL	99.6	3.9
SS10	V	METALS IN WATER BY ICAP	MXZW12X4	DV4F*276	2FZF	13-FEB-96	08-MAR-96	500	479	<	11	UGL	95.8	3.9
SS10	V	METALS IN WATER BY ICAP	MXG302X2	DV4F*164	2FZF	12-FEB-96	08-MAR-96	500	526	<	11	UGL	105.2	1.7
SS10	V	METALS IN WATER BY ICAP	MXG302X2	DV4W*164	2FZF	12-FEB-96	08-MAR-96	500	517	<	11	UGL	103.4	1.7
SS10	V	METALS IN WATER BY ICAP	MXAX03X2	DV4W*236	2FAG	14-FEB-96	08-MAR-96	500	526	<	11	UGL	105.2	1.1
SS10	V	METALS IN WATER BY ICAP	MXAX03X2	DV4W*236	2FAG	14-FEB-96	08-MAR-96	500	520	<	11	UGL	104.0	1.1
SS10	V	METALS IN WATER BY ICAP	MXZW12X4	DV4W*276	2FZF	13-FEB-96	08-MAR-96	500	514	<	11	UGL	102.8	1.2
SS10	V	METALS IN WATER BY ICAP	MXZW12X4	DV4W*276	2FZF	13-FEB-96	08-MAR-96	500	513	<	11	UGL	102.6	1.2
SS10	V	METALS IN WATER BY ICAP	MX5708B2	DV4W*462	2FBG	15-FEB-96	12-MAR-96	500	533	<	11	UGL	106.6	1.7
SS10	V	METALS IN WATER BY ICAP	MX5708B2	DV4W*462	2FBG	15-FEB-96	12-MAR-96	500	524	<	11	UGL	104.8	1.7

avg		minimum											102.6	
		maximum											95.8	
													106.6	
SS10	ZN	METALS IN WATER BY ICAP	MXG302X2	DV4F*164	2FZF	12-FEB-96	08-MAR-96	500	499	<	21.1	UGL	99.8	1.4
SS10	ZN	METALS IN WATER BY ICAP	MXG302X2	DV4F*164	2FZF	12-FEB-96	08-MAR-96	500	497	<	21.1	UGL	99.4	1.4
SS10	ZN	METALS IN WATER BY ICAP	MXAX03X2	DV4F*236	2FAG	14-FEB-96	08-MAR-96	500	505	<	21.1	UGL	101.0	1.4
SS10	ZN	METALS IN WATER BY ICAP	MXAX03X2	DV4F*236	2FAG	14-FEB-96	08-MAR-96	500	498	<	21.1	UGL	99.6	1.4
SS10	ZN	METALS IN WATER BY ICAP	MXZW12X4	DV4F*276	2FZF	13-FEB-96	08-MAR-96	500	497	<	21.1	UGL	99.4	4.3
SS10	ZN	METALS IN WATER BY ICAP	MXZW12X4	DV4F*276	2FZF	13-FEB-96	08-MAR-96	500	476	<	21.1	UGL	95.2	4.3
SS10	ZN	METALS IN WATER BY ICAP	MXG302X2	DV4W*164	2FZF	12-FEB-96	08-MAR-96	500	515	<	21.1	UGL	103.0	1.2
SS10	ZN	METALS IN WATER BY ICAP	MXG302X2	DV4W*164	2FZF	12-FEB-96	08-MAR-96	500	509	<	21.1	UGL	101.8	1.2
SS10	ZN	METALS IN WATER BY ICAP	MXAX03X2	DV4W*236	2FAG	14-FEB-96	08-MAR-96	500	507	<	21.1	UGL	101.4	1.8
SS10	ZN	METALS IN WATER BY ICAP	MXAX03X2	DV4W*236	2FAG	14-FEB-96	08-MAR-96	500	503	<	21.1	UGL	100.6	1.8
SS10	ZN	METALS IN WATER BY ICAP	MXZW12X4	DV4W*276	2FZF	13-FEB-96	08-MAR-96	500	510	<	21.1	UGL	102.0	1.8
SS10	ZN	METALS IN WATER BY ICAP	MXZW12X4	DV4W*276	2FZF	13-FEB-96	08-MAR-96	500	501	<	21.1	UGL	100.2	1.8
SS10	ZN	METALS IN WATER BY ICAP	MX5708B2	DV4W*462	2FBG	15-FEB-96	12-MAR-96	500	523	<	21.1	UGL	104.6	1.2
SS10	ZN	METALS IN WATER BY ICAP	MX5708B2	DV4W*462	2FBG	15-FEB-96	12-MAR-96	500	517	<	21.1	UGL	103.4	1.2

avg		minimum											100.8	
		maximum											95.2	

MS/MSD

[illegible]

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

NS/MSD

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value <	Original Sample Value Units	Percent Recovery	RPD
SO4 IN WATER	TT10	CL	MXG302X2	DV4W*164	PDQC	12-FEB-96	15-FEB-96	25000	29000	93000 UGL	116.0	.0
SO4 IN WATER	TT10	CL	MXG302X2	DV4W*164	PDQC	12-FEB-96	15-FEB-96	25000	29000	93000 UGL	116.0	.0
SO4 IN WATER	TT10	CL	MXAX03X2	DV4W*236	PDTC	14-FEB-96	26-FEB-96	25000	29000	23100 UGL	116.0	.0
SO4 IN WATER	TT10	CL	MXAX03X2	DV4W*236	PDTC	14-FEB-96	26-FEB-96	25000	29000	23100 UGL	116.0	.0
SO4 IN WATER	TT10	CL	MXAX05X2	DV4W*240	PDRC	13-FEB-96	19-FEB-96	25000	29000	37000 UGL	116.0	10.9
SO4 IN WATER	TT10	CL	MXAX05X2	DV4W*240	PDRC	13-FEB-96	19-FEB-96	25000	26000	37000 UGL	104.0	10.9
SO4 IN WATER	TT10	CL	MXZW12X4	DV4W*276	PDQC	13-FEB-96	15-FEB-96	25000	29000	43000 UGL	116.0	.0
SO4 IN WATER	TT10	CL	MXZW12X4	DV4W*276	PDQC	13-FEB-96	15-FEB-96	25000	29000	43000 UGL	116.0	.0

avg												
minimum												
maximum												
SO4 IN WATER	TT10	SO4	MXG302X2	DV4W*164	PDQC	12-FEB-96	15-FEB-96	250000	260000	11000 UGL	104.0	.0
SO4 IN WATER	TT10	SO4	MXG302X2	DV4W*164	PDQC	12-FEB-96	15-FEB-96	250000	260000	11000 UGL	104.0	.0
SO4 IN WATER	TT10	SO4	MXAX03X2	DV4W*236	PDTC	14-FEB-96	26-FEB-96	250000	260000	14000 UGL	104.0	8.0
SO4 IN WATER	TT10	SO4	MXAX03X2	DV4W*236	PDTC	14-FEB-96	26-FEB-96	250000	240000	14000 UGL	96.0	.0
SO4 IN WATER	TT10	SO4	MXAX05X2	DV4W*240	PDRC	13-FEB-96	19-FEB-96	250000	260000	21000 UGL	104.0	.0
SO4 IN WATER	TT10	SO4	MXAX05X2	DV4W*240	PDRC	13-FEB-96	19-FEB-96	250000	260000	21000 UGL	104.0	.0
SO4 IN WATER	TT10	SO4	MXZW12X4	DV4W*276	PDQC	13-FEB-96	15-FEB-96	250000	260000	14000 UGL	104.0	.0
SO4 IN WATER	TT10	SO4	MXZW12X4	DV4W*276	PDQC	13-FEB-96	15-FEB-96	250000	260000	14000 UGL	104.0	.0

avg												
minimum												
maximum												
UH02	PCB016	PCB016	MXAX03X2	DV4W*236	SDIE	14-FEB-96	02-MAR-96	3.75	4.15	.16 UGL	110.7	.5
UH02	PCB016	PCB016	MXAX03X2	DV4W*236	SDIE	14-FEB-96	02-MAR-96	3.75	4.13	.16 UGL	110.1	.5
UH02	PCB016	PCB016	MXZW12X4	DV4W*276	SDGE	13-FEB-96	23-FEB-96	3.75	4.29	.16 UGL	114.4	4.5
UH02	PCB016	PCB016	MXZW12X4	DV4W*276	SDGE	13-FEB-96	23-FEB-96	3.75	4.1	.16 UGL	109.3	4.5

avg												
minimum												
maximum												
UH02	PCB260	PCB260	MXAX03X2	DV4W*236	SDIE	14-FEB-96	02-MAR-96	3.75	3.79	.19 UGL	101.1	1.3

MS/MSD

IRDMIS		IRDMIS		IRDMIS Field									
Method	Code	Test	Field	Sample	Lab	Lot	Sample	Analysis	Spike	Original		Percent	RPD
		Name		Number	Number		Date	Date	Value	Value	Units	Recovery	
UH02		PCB260	MXXAX03X2	DV4W*236	SDIE	14-FEB-96	02-MAR-96		3.75	3.74	< .19	UGL	99.7
UH02		PCB260	MXXZW12X4	DV4W*276	SDGB	13-FEB-96	23-FEB-96		3.75	4.21	< .19	UGL	112.3
UH02		PCB260	MXXZW12X4	DV4W*276	SDGB	13-FEB-96	23-FEB-96		3.75	4.19	< .19	UGL	111.7

		avg											
		minimum											106.2
		maximum											99.7
													112.3
UH13		ARNSLF	MXXG302X2	DV4W*164	TDRB	12-FEB-96	08-MAR-96		.5	.465	< .023	UGL	93.0
UH13		ARNSLF	MXXG302X2	DV4W*164	TDRB	12-FEB-96	08-MAR-96		.5	.367	< .023	UGL	73.4
UH13		ARNSLF	MXXAX03X2	DV4W*236	TDTE	14-FEB-96	12-MAR-96		.5	.376	< .023	UGL	75.2
UH13		ARNSLF	MXXAX03X2	DV4W*236	TDTE	14-FEB-96	12-MAR-96		.5	.363	< .023	UGL	72.6
UH13		ARNSLF	MXXZW12X4	DV4W*276	TDRB	13-FEB-96	08-MAR-96		.5	.495	< .023	UGL	99.0
UH13		ARNSLF	MXXZW12X4	DV4W*276	TDRB	13-FEB-96	08-MAR-96		.5	.382	< .023	UGL	76.4

		avg											
		minimum											81.6
		maximum											72.6
													99.0
UH13		ALDRN	MXXG302X2	DV4W*164	TDRB	12-FEB-96	08-MAR-96		.5	.587	< .0918	UGL	117.4
UH13		ALDRN	MXXG302X2	DV4W*164	TDRB	12-FEB-96	08-MAR-96		.5	.435	< .0918	UGL	87.0
UH13		ALDRN	MXXAX03X2	DV4W*236	TDTE	14-FEB-96	12-MAR-96		.5	.462	< .0918	UGL	92.4
UH13		ALDRN	MXXAX03X2	DV4W*236	TDTE	14-FEB-96	12-MAR-96		.5	.447	< .0918	UGL	89.4
UH13		ALDRN	MXXZW12X4	DV4W*276	TDRB	13-FEB-96	08-MAR-96		.5	.589	< .0918	UGL	117.8
UH13		ALDRN	MXXZW12X4	DV4W*276	TDRB	13-FEB-96	08-MAR-96		.5	.425	< .0918	UGL	85.0

		avg											
		minimum											98.2
		maximum											85.0
													117.8
UH13		BENSLF	MXXG302X2	DV4W*164	TDRB	12-FEB-96	08-MAR-96		.5	.444	< .023	UGL	88.8
UH13		BENSLF	MXXG302X2	DV4W*164	TDRB	12-FEB-96	08-MAR-96		.5	.325	< .023	UGL	65.0
UH13		BENSLF	MXXAX03X2	DV4W*236	TDTE	14-FEB-96	12-MAR-96		.5	.397	< .023	UGL	79.4
UH13		BENSLF	MXXAX03X2	DV4W*236	TDTE	14-FEB-96	12-MAR-96		.5	.38	< .023	UGL	76.0
UH13		BENSLF	MXXZW12X4	DV4W*276	TDRB	13-FEB-96	08-MAR-96		.5	.472	< .023	UGL	94.4
UH13		BENSLF	MXXZW12X4	DV4W*276	TDRB	13-FEB-96	08-MAR-96		.5	.348	< .023	UGL	69.6

MS/MSD

	avg	minimum	maximum
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Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

MS/MSD

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value <	Original Sample Value	Percent Recovery	Rpd
	UH13	ISODR	MXG302X2	DV4W*164	TDRE	12-FEB-96	08-MAR-96	1	.937	.0562	93.7	24.4
	UH13	ISODR	MXG302X2	DV4W*164	TDRE	12-FEB-96	08-MAR-96	1	.733	.0562	73.3	24.4
	UH13	ISODR	MXAX03X2	DV4W*236	TDTE	14-FEB-96	12-MAR-96	1	.746	.0562	74.6	2.0
	UH13	ISODR	MXAX03X2	DV4W*236	TDTE	14-FEB-96	12-MAR-96	1	.731	.0562	73.1	2.0
	UH13	ISODR	MXZW12X4	DV4W*276	TDRE	13-FEB-96	08-MAR-96	1	.986	.0562	98.6	27.7
	UH13	ISODR	MXZW12X4	DV4W*276	TDRE	13-FEB-96	08-MAR-96	1	.746	.0562	74.6	27.7

		avg										
		minimum										
		maximum										
	UH13	LIN	MXG302X2	DV4W*164	TDRE	12-FEB-96	08-MAR-96	.5	.334	.0507	66.8	22.8
	UH13	LIN	MXG302X2	DV4W*164	TDRE	12-FEB-96	08-MAR-96	.5	.42	.0507	84.0	22.8
	UH13	LIN	MXAX03X2	DV4W*236	TDTE	14-FEB-96	12-MAR-96	.5	.33	.0507	66.0	3.1
	UH13	LIN	MXAX03X2	DV4W*236	TDTE	14-FEB-96	12-MAR-96	.5	.32	.0507	64.0	3.1
	UH13	LIN	MXZW12X4	DV4W*276	TDRE	13-FEB-96	08-MAR-96	.5	.452	.0507	90.4	27.1
	UH13	LIN	MXZW12X4	DV4W*276	TDRE	13-FEB-96	08-MAR-96	.5	.344	.0507	68.8	27.1

		avg										
		minimum										
		maximum										
	UH13	MEXCLR	MXG302X2	DV4W*164	TDRE	12-FEB-96	08-MAR-96	1	.921	.057	92.1	48.8
	UH13	MEXCLR	MXG302X2	DV4W*164	TDRE	12-FEB-96	08-MAR-96	1	.56	.057	56.0	48.8
	UH13	MEXCLR	MXAX03X2	DV4W*236	TDTE	14-FEB-96	12-MAR-96	1	.944	.057	94.4	5.8
	UH13	MEXCLR	MXAX03X2	DV4W*236	TDTE	14-FEB-96	12-MAR-96	1	1	.057	100.0	5.8
	UH13	MEXCLR	MXZW12X4	DV4W*276	TDRE	13-FEB-96	08-MAR-96	1	.952	.057	95.2	38.1
	UH13	MEXCLR	MXZW12X4	DV4W*276	TDRE	13-FEB-96	08-MAR-96	1	.647	.057	64.7	38.1

		avg										
		minimum										
		maximum										
	UH13	PPDDT	MXG302X2	DV4W*164	TDRE	12-FEB-96	08-MAR-96	.5	.509	.034	101.8	36.7
	UH13	PPDDT	MXG302X2	DV4W*164	TDRE	12-FEB-96	08-MAR-96	.5	.351	.034	70.2	36.7
	UH13	PPDDT	MXAX03X2	DV4W*236	TDTE	14-FEB-96	12-MAR-96	.5	.463	.034	92.6	3.7

MS/MSD

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SQL> spool off;
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TABLE D-12
ELEMENTS WITH MATRIX SPIKE RECOVERIES IN WATER
OUTSIDE USEPA CRITERIA

1995 AOC 57, 63AX, 69W REMEDIAL INVESTIGATION
FORT DEVENS, MASSACHUSETTS

ELEMENT	FREQUENCY OF RECOVERY OUTSIDE USEPA CLP LIMITS ¹	RECOVERY RANGE
Groundwater		
Mercury ¹	2/12	70.8 - 72.8
Arsenic ¹	1/16	128
Antimony ¹	1/16	74.5
Calcium ¹	1/16	134
Iron ¹	5/16	49 - 145
Manganese ¹	2/16	58.8 - 71.6
Lead ²	4/16	52.8 - 55.3
Selenium ²	4/16	35.2 - 53.6
Arsenic ²	1/16	135.7
Antimony ²	6/16	39.5 - 74.9
Manganese ²	1/16	133.4
Surface Water		
Iron ¹	1/4	129

¹ = Spike results from the 1995 Fort Devens Site Investigation.

² = Spike results from the Round 2 Groundwater sampling event.

TABLE D-13

ELEMENTS WITH MATRIX SPIKE RECOVERIES IN SOIL
OUTSIDE USEPA CLP LIMITS1995 AOC 57, 63AX, 69W REMEDIAL INVESTIGATION
FORT DEVENS, MASSACHUSETTS

ELEMENT	FREQUENCY OF RECOVERY OUTSIDE USEPA CLP LIMITS	RECOVERY RANGE
Mercury	2/10	39.2 - 41.7
Aluminum	10/10	0.9 - 504.7
Iron	10/10	0.4 - 462.3
Selenium	6/10	60.0 - 134.5
Lead by GFAA	6/6	23.7 - 140.5
Arsenic	6/10	28.4 - 186.3
Manganese	7/10	4.0 - 477.4
Nickel	1/10	128.3

TABLE D-14

ELEMENTS WITH MATRIX SPIKE RECOVERIES IN SEDIMENT
OUTSIDE USEPA CRITERIA1995 AOC 57, 63AX, 69W REMEDIAL INVESTIGATION
FORT DEVENS, MASSACHUSETTS

ELEMENT	FREQUENCY OF RECOVERY OUTSIDE USEPA CLP LIMITS	RECOVERY RANGE
Arsenic	2/4	12.4 - 12.6
Antimony	2/4	126.0 - 126.7
Manganese	1/4	4.1
Aluminum	4/4	0.5 - 1.2
Iron	4/4	0.2 - 48.7

TABLE D-15

PESTICIDE AND PCBs WITH SOIL MATRIX SPIKE RECOVERIES
OUTSIDE USEPA CLP LIMITS1995 AOC 57, 63AX, 69W REMEDIAL INVESTIGATION
FORT DEVENS, MASSACHUSETTS

ELEMENT	FREQUENCY OF RECOVERY OUTSIDE USEPA CLP LIMITS	RECOVERY RANGE
Endosulfan II	2/8	169.8 - 181.1
Aroclor 1260	2/8	226 - 226.0
4,4-DDT	2/8	143.8 - 153.4

TABLE D-16

HARDNESS DATA WITH MATRIX SPIKE RECOVERIES IN WATER SAMPLES
OUTSIDE CONTROL LIMITS

1995 AOC 57, 63AX, 69W REMEDIAL INVESTIGATION
FORT DEVENS, MASSACHUSETTS

ELEMENT	FREQUENCY OF RECOVERY OUTSIDE USEPA CLP LIMITS	RECOVERY RANGE
Groundwater		
Hardness ¹	6/10	1.3 - 35.0
Hardness ²	2/10	17.1 - 23.1

¹ = Data collected during the 1995 Fort Devens Field Investigation.

² = Data collected during the 1996 Round 2 Groundwater sampling event.

TABLE D-17
USEPA CLP SURROGATE RECOVERY CRITERIA FOR SVOCS

1995 AOC 57, 63AX, 69W REMEDIAL INVESTIGATION
FORT DEVENS, MASSACHUSETTS

SURROGATE	PERCENT RECOVERY LIMITS FOR WATER	PERCENT RECOVERY LIMITS FOR SOIL
2-Fluorophenol	21% to 100%	25% to 121%
Phenol-D6	10% to 94%	24% to 113%
2,4,6-Tribromophenol	10% to 123%	19% to 122%
Nitrobenzene-D5	35% to 114%	23% to 120%
2-Fluorobiphenyl	43% to 116%	30% to 115%
Terphenyl-D14	33% to 141%	18% to 137%

TABLE D-18
USEPA CLP SURROGATE RECOVERY CRITERIA FOR VOCS

1995 AOC 57, 63AX, 69W REMEDIAL INVESTIGATION
FORT DEVENS, MASSACHUSETTS

SURROGATE	PERCENT RECOVERY LIMITS FOR WATER	PERCENT RECOVERY LIMITS FOR SOIL
1,2-Dichloroethane-D4	76% to 114%	70% to 121%
4-Bromofluorobenzene	86% to 115%	74% to 121%
Toluene-D8	88% to 110%	81% to 117%

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

Ндд	Ндд	Ндд	Ндд	Ндд
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Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 2, 7 Sites

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

IRDMIS		IRDMIS		Field		Sample		Analysis		Value Units		RPD	
Method	Code	Test	Name	Sample	Lab	Number	Lot	Date	Date	<			
TPH	9071	TPHC	TPHC	DX570300	DV4S*187	ZBIJ	13-SRP-95	04-OCT-95	04-OCT-95	<	186 UGG	13.1	
TPH	9071	TPHC	TPHC	DX2W0100	DV4S*289	ZBIJ	11-SRP-95	04-OCT-95	04-OCT-95	<	896 UGG	85.4	
TPH	9071	TPHC	TPHC	DD2W0100	DV4S*400	ZBIJ	11-SRP-95	04-OCT-95	04-OCT-95	<	360 UGG	85.4	
TPH	9071	TPHC	TPHC	EX570405	DV4S*104	ZEMJ	19-SRP-95	10-OCT-95	10-OCT-95	<	27.6 UGG	15.6	
TPH	9071	TPHC	TPHC	ED570405	DV4S*436	ZEMJ	19-SRP-95	10-OCT-95	10-OCT-95	<	23.6 UGG	15.6	
HG IN SOIL BY GFPA	JB01	HG	HG	BXAX0215	DV4S*217	QHWE	27-SRP-95	19-OCT-95	19-OCT-95	<	.05 UGG	0.0	
HG IN SOIL BY GFPA	JB01	HG	HG	BDAX0215	DV4S*442	QHWE	27-SRP-95	19-OCT-95	19-OCT-95	<	.05 UGG	0.0	
HG IN SOIL BY GFPA	JB01	HG	HG	BX2W0100	DV4S*246	QHUR	19-SRP-95	11-OCT-95	11-OCT-95	<	.05 UGG	0.0	
HG IN SOIL BY GFPA	JB01	HG	HG	BX2W0100	DV4S*435	QHUR	19-SRP-95	11-OCT-95	11-OCT-95	<	.05 UGG	0.0	
HG IN SOIL BY GFPA	JB01	HG	HG	DD570300	DV4S*431	QHTR	13-SRP-95	06-OCT-95	06-OCT-95	<	.273 UGG	138.1	
HG IN SOIL BY GFPA	JB01	HG	HG	DX570300	DV4S*187	QHTR	13-SRP-95	06-OCT-95	06-OCT-95	<	.05 UGG	138.1	
HG IN SOIL BY GFPA	JB01	HG	HG	DX2W0100	DV4S*289	QHTR	11-SRP-95	06-OCT-95	06-OCT-95	<	.05 UGG	0.0	
HG IN SOIL BY GFPA	JB01	HG	HG	DD2W0100	DV4S*400	QHTR	11-SRP-95	06-OCT-95	06-OCT-95	<	.05 UGG	0.0	
HG IN SOIL BY GFPA	JB01	HG	HG	ED570405	DV4S*436	QHUR	19-SRP-95	11-OCT-95	11-OCT-95	<	.05 UGG	0.0	
HG IN SOIL BY GFPA	JB01	HG	HG	EX570405	DV4S*104	QHUR	19-SRP-95	11-OCT-95	11-OCT-95	<	.05 UGG	0.0	
SE IN SOIL BY GFPA	JD15	SE	SE	BXAX0215	DV4S*217	MBSE	27-SRP-95	23-OCT-95	23-OCT-95	<	.25 UGG	0.0	
SE IN SOIL BY GFPA	JD15	SE	SE	BDAX0215	DV4S*442	MBSE	27-SRP-95	23-OCT-95	23-OCT-95	<	.25 UGG	0.0	
SE IN SOIL BY GFPA	JD15	SE	SE	BX2W0100	DV4S*246	MBQE	19-SRP-95	16-OCT-95	16-OCT-95	<	.25 UGG	0.0	
SE IN SOIL BY GFPA	JD15	SE	SE	BX2W0100	DV4S*435	MBQE	19-SRP-95	16-OCT-95	16-OCT-95	<	.25 UGG	0.0	
SE IN SOIL BY GFPA	JD15	SE	SE	DD570300	DV4S*187	MBPE	13-SRP-95	08-OCT-95	08-OCT-95	<	3.24 UGG	2.8	
SE IN SOIL BY GFPA	JD15	SE	SE	DX570300	DV4S*431	MBPE	13-SRP-95	09-OCT-95	09-OCT-95	<	3.15 UGG	2.8	
SE IN SOIL BY GFPA	JD15	SE	SE	DX2W0100	DV4S*289	MBPE	11-SRP-95	08-OCT-95	08-OCT-95	<	.25 UGG	0.0	
SE IN SOIL BY GFPA	JD15	SE	SE	DD2W0100	DV4S*400	MBPE	11-SRP-95	09-OCT-95	09-OCT-95	<	.25 UGG	0.0	
SE IN SOIL BY GFPA	JD15	SE	SE	ED570405	DV4S*436	MBQE	19-SRP-95	16-OCT-95	16-OCT-95	<	.25 UGG	0.0	
SE IN SOIL BY GFPA	JD15	SE	SE	EX570405	DV4S*104	MBQE	19-SRP-95	16-OCT-95	16-OCT-95	<	.25 UGG	0.0	
PB IN SOIL BY GFPA	JD17	PB	PB	BDAX0215	DV4S*442	OBSE	27-SRP-95	22-OCT-95	22-OCT-95	<	7.82 UGG	17.3	
PB IN SOIL BY GFPA	JD17	PB	PB	BXAX0215	DV4S*217	OBSE	27-SRP-95	22-OCT-95	22-OCT-95	<	9.3 UGG	17.3	

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 2, 7 Sites

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

IRDMIS		IRDMIS		Field		Lab		Sample		Analysis		Value Units		RPD	
Method Code	Test Name	Sample Number	Field Number	Lot	Date	Sample Date	Analysis Date								
JD17	PB	BXZM0100	DV4S*435	OBQE	19-SEP-95	16-OCT-95	7.53	UGG	8.6						
JD17	PB	BXZM0100	DV4S*246	OBQE	19-SEP-95	16-OCT-95	6.91	UGG	8.6						
JD17	PB	EX570405	DV4S*104	OBQE	19-SEP-95	16-OCT-95	1.83	UGG	1.1						
JD17	PB	ED570405	DV4S*436	OBQE	19-SEP-95	16-OCT-95	1.81	UGG	1.1						
JD19	AS	BDAX0215	DV4S*442	QBXE	27-SEP-95	24-OCT-95	11.7	UGG	52.4						
JD19	AS	BXAX0215	DV4S*217	QBXE	27-SEP-95	24-OCT-95	20	UGG	52.4						
JD19	AS	BXZM0100	DV4S*435	QBVE	19-SEP-95	18-OCT-95	10.6	UGG	27.6						
JD19	AS	BXZM0100	DV4S*246	QBVE	19-SEP-95	18-OCT-95	14	UGG	27.6						
JD19	AS	DX570300	DV4S*187	QBUE	13-SEP-95	08-OCT-95	180	UGG	40.0						
JD19	AS	DD570300	DV4S*431	QBUE	13-SEP-95	08-OCT-95	120	UGG	40.0						
JD19	AS	DDZM0100	DV4S*289	QBUE	11-SEP-95	08-OCT-95	9.95	UGG	16.7						
JD19	AS	DDZM0100	DV4S*400	QBUE	11-SEP-95	08-OCT-95	8.42	UGG	16.7						
JD19	AS	ED570405	DV4S*104	QBVE	19-SEP-95	18-OCT-95	9.68	UGG	10.0						
JD19	AS	ED570405	DV4S*436	QBVE	19-SEP-95	18-OCT-95	10.7	UGG	10.0						
JD24	TL	BXAX0215	DV4S*217	RBGE	27-SEP-95	22-OCT-95	.5	UGG	0.0						
JD24	TL	BDAX0215	DV4S*442	RBGE	27-SEP-95	22-OCT-95	.5	UGG	0.0						
JD24	TL	BXZM0100	DV4S*246	RBFB	19-SEP-95	15-OCT-95	.5	UGG	0.0						
JD24	TL	BXZM0100	DV4S*435	RBFB	19-SEP-95	15-OCT-95	.5	UGG	0.0						
JD24	TL	DX570300	DV4S*187	RBEB	13-SEP-95	09-OCT-95	.5	UGG	0.0						
JD24	TL	DD570300	DV4S*431	RBEB	13-SEP-95	09-OCT-95	.5	UGG	0.0						
JD24	TL	DDZM0100	DV4S*289	RBEB	11-SEP-95	09-OCT-95	.5	UGG	0.0						
JD24	TL	DDZM0100	DV4S*400	RBEB	11-SEP-95	09-OCT-95	.5	UGG	0.0						
JD24	TL	ED570405	DV4S*436	RBFB	19-SEP-95	15-OCT-95	.5	UGG	0.0						
JD24	TL	ED570405	DV4S*104	RBFB	19-SEP-95	15-OCT-95	.5	UGG	0.0						
JD25	SB	BXAX0215	DV4S*217	SBQB	27-SEP-95	25-OCT-95	1.09	UGG	0.0						
JD25	SB	BDAX0215	DV4S*442	SBQB	27-SEP-95	25-OCT-95	1.09	UGG	0.0						
JD25	SB	BXZM0100	DV4S*246	SBNE	19-SEP-95	18-OCT-95	1.09	UGG	0.0						

SAMPLE DUBLICATS (NON-FILTERED SAMPLES)

Method	Code	Test Name	IRDMIS Field		Lab Number	Lot	Sample Date	Analysis Date	<	Value	Units	RPD
			Method Description	Sample Number								
IRDMIS	J225	SB	SB IN SOIL BY GPAA	BKXZ0100	DV4S*435	SBNB	19-SEP-95	18-OCT-95	<	1.09	UGG	0.0
	J225	SB	SB IN SOIL BY GPAA	DD570300	DV4S*431	SBMB	13-SEP-95	19-OCT-95	<	1.09	UGG	0.0
	J225	SB	SB IN SOIL BY GPAA	DX570300	DV4S*187	SBMB	13-SEP-95	19-OCT-95	<	1.09	UGG	0.0
	J225	SB	SB IN SOIL BY GPAA	DXZ0100	DV4S*289	SBMB	11-SEP-95	19-OCT-95	<	1.09	UGG	0.0
	J225	SB	SB IN SOIL BY GPAA	DDZ0100	DV4S*400	SBMB	11-SEP-95	19-OCT-95	<	1.09	UGG	0.0
	J225	SB	SB IN SOIL BY GPAA	ED570405	DV4S*436	SBNB	19-SEP-95	18-OCT-95	<	1.09	UGG	0.0
	J225	SB	SB IN SOIL BY GPAA	EX570405	DV4S*104	SBNB	19-SEP-95	18-OCT-95	<	1.09	UGG	0.0
	J316	AG	METALS IN SOIL BY ICAP	BXAX0215	DV4S*217	UBYP	27-SEP-95	20-OCT-95	<	.589	UGG	0.0
	J316	AG	METALS IN SOIL BY ICAP	BDAK0215	DV4S*442	UBYP	27-SEP-95	20-OCT-95	<	.589	UGG	0.0
	J316	AG	METALS IN SOIL BY ICAP	BKXZ0100	DV4S*435	UBVP	19-SEP-95	05-OCT-95	<	.589	UGG	0.0
IRDMIS	J316	AG	METALS IN SOIL BY ICAP	BKXZ0100	DV4S*246	UBVP	19-SEP-95	05-OCT-95	<	.589	UGG	0.0
	J316	AG	METALS IN SOIL BY ICAP	DX570300	DV4S*187	UBUF	13-SEP-95	03-OCT-95	<	.589	UGG	0.0
	J316	AG	METALS IN SOIL BY ICAP	DD570300	DV4S*431	UBUF	13-SEP-95	03-OCT-95	<	.589	UGG	0.0
	J316	AG	METALS IN SOIL BY ICAP	DDZ0100	DV4S*400	UBUF	11-SEP-95	03-OCT-95	<	.589	UGG	0.0
	J316	AG	METALS IN SOIL BY ICAP	DXZ0100	DV4S*289	UBUF	11-SEP-95	03-OCT-95	<	.589	UGG	0.0
	J316	AG	METALS IN SOIL BY ICAP	EX570405	DV4S*104	UBVP	19-SEP-95	05-OCT-95	<	.589	UGG	0.0
	J316	AG	METALS IN SOIL BY ICAP	ED570405	DV4S*436	UBVP	19-SEP-95	05-OCT-95	<	.589	UGG	0.0
	J316	AL	METALS IN SOIL BY ICAP	BXAX0215	DV4S*217	UBYP	27-SEP-95	20-OCT-95	<	9430	UGG	38.3
	J316	AL	METALS IN SOIL BY ICAP	BDAK0215	DV4S*442	UBYP	27-SEP-95	20-OCT-95	<	6400	UGG	38.3
	J316	AL	METALS IN SOIL BY ICAP	BKXZ0100	DV4S*246	UBVP	19-SEP-95	05-OCT-95	<	6140	UGG	7.6
IRDMIS	J316	AL	METALS IN SOIL BY ICAP	BKXZ0100	DV4S*435	UBVP	19-SEP-95	05-OCT-95	<	5690	UGG	7.6
	J316	AL	METALS IN SOIL BY ICAP	DX570300	DV4S*431	UBUF	13-SEP-95	03-OCT-95	<	14700	UGG	26.2
	J316	AL	METALS IN SOIL BY ICAP	DD570300	DV4S*187	UBUF	13-SEP-95	03-OCT-95	<	11300	UGG	26.2
	J316	AL	METALS IN SOIL BY ICAP	DDZ0100	DV4S*400	UBUF	11-SEP-95	03-OCT-95	<	6010	UGG	13.7
	J316	AL	METALS IN SOIL BY ICAP	DXZ0100	DV4S*289	UBUF	11-SEP-95	03-OCT-95	<	5240	UGG	13.7
	J316	AL	METALS IN SOIL BY ICAP	EX570405	DV4S*104	UBVP	19-SEP-95	05-OCT-95	<	2750	UGG	.7
	J316	AL	METALS IN SOIL BY ICAP	ED570405	DV4S*436	UBVP	19-SEP-95	05-OCT-95	<	2730	UGG	.7
	J316	BA	METALS IN SOIL BY ICAP	BDAK0215	DV4S*442	UBYP	27-SEP-95	20-OCT-95	<	18.6	UGG	61.2
	J316	BA	METALS IN SOIL BY ICAP	BXAX0215	DV4S*217	UBYP	27-SEP-95	20-OCT-95	<	35	UGG	61.2
	J316	BA	METALS IN SOIL BY ICAP	BKXZ0100	DV4S*435	UBVP	19-SEP-95	05-OCT-95	<	5690	UGG	7.6

SAMPLE DUBLICATES (NON-FILTERED SAMPLES)

IRDMIS Method Code	IRDMIS Field Sample Number	Test Name	Method Description	Lab Number	Lot	Sample Date	Analysis Date	Value Units		RPD
								<	>	
JS16	BA	ICAP	METALS IN SOIL BY ICAP	DV4S*246	UBVP	19-SEP-95	05-OCT-95	19	UGG	11.1
JS16	BA	ICAP	METALS IN SOIL BY ICAP	DV4S*435	UBVF	19-SEP-95	05-OCT-95	17	UGG	11.1
JS16	BA	ICAP	METALS IN SOIL BY ICAP	DV4S*187	UBUF	13-SEP-95	03-OCT-95	67.1	UGG	57.3
JS16	BA	ICAP	METALS IN SOIL BY ICAP	DV4S*431	UBUF	13-SEP-95	03-OCT-95	121	UGG	57.3
JS16	BA	ICAP	METALS IN SOIL BY ICAP	DV4S*400	UBUF	11-SEP-95	03-OCT-95	18.6	UGG	23.4
JS16	BA	ICAP	METALS IN SOIL BY ICAP	DV4S*289	UBUF	11-SEP-95	03-OCT-95	14.7	UGG	23.4
JS16	BA	ICAP	METALS IN SOIL BY ICAP	DV4S*436	UBVF	19-SEP-95	05-OCT-95	11.3	UGG	10.2
JS16	BA	ICAP	METALS IN SOIL BY ICAP	DV4S*104	UBVF	19-SEP-95	05-OCT-95	10.2	UGG	10.2
JS16	BE	ICAP	METALS IN SOIL BY ICAP	DV4S*217	UBYP	27-SEP-95	20-OCT-95	.5	UGG	0.0
JS16	BE	ICAP	METALS IN SOIL BY ICAP	DV4S*442	UBYP	27-SEP-95	20-OCT-95	.5	UGG	0.0
JS16	BE	ICAP	METALS IN SOIL BY ICAP	DV4S*246	UBVP	19-SEP-95	05-OCT-95	.565	UGG	12.2
JS16	BE	ICAP	METALS IN SOIL BY ICAP	DV4S*435	UBVF	19-SEP-95	05-OCT-95	.5	UGG	12.2
JS16	BE	ICAP	METALS IN SOIL BY ICAP	DV4S*187	UBUF	13-SEP-95	03-OCT-95	.5	UGG	0.0
JS16	BE	ICAP	METALS IN SOIL BY ICAP	DV4S*431	UBUF	13-SEP-95	03-OCT-95	.5	UGG	0.0
JS16	BE	ICAP	METALS IN SOIL BY ICAP	DV4S*400	UBUF	11-SEP-95	03-OCT-95	.5	UGG	0.0
JS16	BE	ICAP	METALS IN SOIL BY ICAP	DV4S*289	UBUF	11-SEP-95	03-OCT-95	.5	UGG	0.0
JS16	BE	ICAP	METALS IN SOIL BY ICAP	DV4S*104	UBVF	19-SEP-95	05-OCT-95	.5	UGG	0.0
JS16	BE	ICAP	METALS IN SOIL BY ICAP	DV4S*436	UBVF	19-SEP-95	05-OCT-95	.5	UGG	0.0
JS16	CA	ICAP	METALS IN SOIL BY ICAP	DV4S*442	UBYP	27-SEP-95	20-OCT-95	10900	UGG	31.9
JS16	CA	ICAP	METALS IN SOIL BY ICAP	DV4S*217	UBYP	27-SEP-95	20-OCT-95	7900	UGG	31.9
JS16	CA	ICAP	METALS IN SOIL BY ICAP	DV4S*246	UBVP	19-SEP-95	05-OCT-95	803	UGG	28.9
JS16	CA	ICAP	METALS IN SOIL BY ICAP	DV4S*435	UBVF	19-SEP-95	05-OCT-95	600	UGG	28.9
JS16	CA	ICAP	METALS IN SOIL BY ICAP	DV4S*431	UBUF	13-SEP-95	03-OCT-95	10300	UGG	17.2
JS16	CA	ICAP	METALS IN SOIL BY ICAP	DV4S*187	UBUF	13-SEP-95	03-OCT-95	8670	UGG	17.2
JS16	CA	ICAP	METALS IN SOIL BY ICAP	DV4S*400	UBUF	11-SEP-95	03-OCT-95	992	UGG	3.6
JS16	CA	ICAP	METALS IN SOIL BY ICAP	DV4S*289	UBUF	11-SEP-95	03-OCT-95	957	UGG	3.6
JS16	CA	ICAP	METALS IN SOIL BY ICAP	DV4S*104	UBVF	19-SEP-95	05-OCT-95	205	UGG	15.2
JS16	CA	ICAP	METALS IN SOIL BY ICAP	DV4S*436	UBVF	19-SEP-95	05-OCT-95	176	UGG	15.2
JS16	CD	ICAP	METALS IN SOIL BY ICAP	DV4S*217	UBYP	27-SEP-95	20-OCT-95	.7	UGG	0.0
JS16	CD	ICAP	METALS IN SOIL BY ICAP	DV4S*442	UBYP	27-SEP-95	20-OCT-95	.7	UGG	0.0

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 2, 7 Sites

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

IRDMIS		IRDMIS		Field		Sample		Analysis		Value Units		RPD	
Method	Test	Field	Sample	Lab	Number	Lot	Date	Date					
Code	Name	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number
Description													
METALS IN SOIL BY ICAP	JS16	MG	BX2W0100	DV4S*246	UBVP	19-SRP-95	05-OCT-95	2150	UGG	7.7			
METALS IN SOIL BY ICAP	JS16	MG	BX2W0100	DV4S*435	UBVP	19-SRP-95	05-OCT-95	1990	UGG	7.7			
METALS IN SOIL BY ICAP	JS16	MG	DD570300	DV4S*431	UBVP	13-SRP-95	03-OCT-95	4130	UGG	16.5			
METALS IN SOIL BY ICAP	JS16	MG	DX570300	DV4S*187	UBVP	13-SRP-95	03-OCT-95	3500	UGG	16.5			
METALS IN SOIL BY ICAP	JS16	MG	DD2W0100	DV4S*400	UBVP	11-SRP-95	03-OCT-95	3100	UGG	9.8			
METALS IN SOIL BY ICAP	JS16	MG	DX2W0100	DV4S*289	UBVP	11-SRP-95	03-OCT-95	2810	UGG	9.8			
METALS IN SOIL BY ICAP	JS16	MG	EX570405	DV4S*104	UBVP	19-SRP-95	05-OCT-95	896	UGG	5.5			
METALS IN SOIL BY ICAP	JS16	MG	ED570405	DV4S*436	UBVP	19-SRP-95	05-OCT-95	848	UGG	5.5			
METALS IN SOIL BY ICAP	JS16	MN	BXAX0215	DV4S*217	UBVP	27-SRP-95	20-OCT-95	385	UGG	1.3			
METALS IN SOIL BY ICAP	JS16	MN	BDAX0215	DV4S*442	UBVP	27-SRP-95	20-OCT-95	380	UGG	1.3			
METALS IN SOIL BY ICAP	JS16	MN	BX2W0100	DV4S*435	UBVP	19-SRP-95	05-OCT-95	228	UGG	40.0			
METALS IN SOIL BY ICAP	JS16	MN	BX2W0100	DV4S*246	UBVP	19-SRP-95	05-OCT-95	152	UGG	40.0			
METALS IN SOIL BY ICAP	JS16	MN	DD570300	DV4S*431	UBVP	13-SRP-95	03-OCT-95	2070	UGG	99.5			
METALS IN SOIL BY ICAP	JS16	MN	DX570300	DV4S*187	UBVP	13-SRP-95	03-OCT-95	695	UGG	99.5			
METALS IN SOIL BY ICAP	JS16	MN	DD2W0100	DV4S*400	UBVP	11-SRP-95	03-OCT-95	230	UGG	28.9			
METALS IN SOIL BY ICAP	JS16	MN	DX2W0100	DV4S*289	UBVP	11-SRP-95	03-OCT-95	172	UGG	28.9			
METALS IN SOIL BY ICAP	JS16	MN	EX570405	DV4S*104	UBVP	19-SRP-95	05-OCT-95	231	UGG	2.2			
METALS IN SOIL BY ICAP	JS16	MN	ED570405	DV4S*436	UBVP	19-SRP-95	05-OCT-95	226	UGG	2.2			
METALS IN SOIL BY ICAP	JS16	NA	BXAX0215	DV4S*217	UBVP	27-SRP-95	20-OCT-95	351	UGG	5.9			
METALS IN SOIL BY ICAP	JS16	NA	BDAX0215	DV4S*442	UBVP	27-SRP-95	20-OCT-95	331	UGG	5.9			
METALS IN SOIL BY ICAP	JS16	NA	BX2W0100	DV4S*246	UBVP	19-SRP-95	05-OCT-95	374	UGG	20.3			
METALS IN SOIL BY ICAP	JS16	NA	BX2W0100	DV4S*435	UBVP	19-SRP-95	05-OCT-95	305	UGG	20.3			
METALS IN SOIL BY ICAP	JS16	NA	DD570300	DV4S*431	UBVP	13-SRP-95	03-OCT-95	1780	UGG	178.7			
METALS IN SOIL BY ICAP	JS16	NA	DX570300	DV4S*187	UBVP	13-SRP-95	03-OCT-95	100	UGG	178.7			
METALS IN SOIL BY ICAP	JS16	NA	DD2W0100	DV4S*289	UBVP	11-SRP-95	03-OCT-95	330	UGG	5.0			
METALS IN SOIL BY ICAP	JS16	NA	DX2W0100	DV4S*400	UBVP	11-SRP-95	03-OCT-95	314	UGG	5.0			
METALS IN SOIL BY ICAP	JS16	NA	ED570405	DV4S*436	UBVP	19-SRP-95	05-OCT-95	286	UGG	1.1			
METALS IN SOIL BY ICAP	JS16	NA	EX570405	DV4S*104	UBVP	19-SRP-95	05-OCT-95	283	UGG	1.1			
METALS IN SOIL BY ICAP	JS16	NI	BXAX0215	DV4S*217	UBVP	27-SRP-95	20-OCT-95	34.6	UGG	23.9			
METALS IN SOIL BY ICAP	JS16	NI	BDAX0215	DV4S*442	UBVP	27-SRP-95	20-OCT-95	27.2	UGG	23.9			

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Analysis					Value	Units	RPD
				Lab Number	Lot	Sample Date	Analysis Date	<			
METALS IN SOIL BY ICAP	JS16	NI	BX2W0100	DV4S*246	UBVF	19-SRP-95	05-OCT-95	13.3	UGG	5.1	
METALS IN SOIL BY ICAP	JS16	NI	BX2W0100	DV4S*435	UBVF	19-SRP-95	05-OCT-95	14	UGG	5.1	
METALS IN SOIL BY ICAP	JS16	NI	DD570300	DV4S*431	UBUF	13-SRP-95	03-OCT-95	46.8	UGG	85.8	
METALS IN SOIL BY ICAP	JS16	NI	DX570300	DV4S*187	UBUF	13-SRP-95	03-OCT-95	18.7	UGG	85.8	
METALS IN SOIL BY ICAP	JS16	NI	DD570300	DV4S*400	UBUF	11-SRP-95	03-OCT-95	17.3	UGG	8.4	
METALS IN SOIL BY ICAP	JS16	NI	DX2W0100	DV4S*289	UBUF	11-SRP-95	03-OCT-95	15.9	UGG	8.4	
METALS IN SOIL BY ICAP	JS16	NI	ED570405	DV4S*436	UBVF	19-SRP-95	05-OCT-95	5.15	UGG	2.0	
METALS IN SOIL BY ICAP	JS16	NI	EX570405	DV4S*104	UBVF	19-SRP-95	05-OCT-95	5.05	UGG	2.0	
METALS IN SOIL BY ICAP	JS16	PB	DD2W0100	DV4S*400	UBUF	11-SRP-95	03-OCT-95	55.9	UGG	1.6	
METALS IN SOIL BY ICAP	JS16	PB	DX2W0100	DV4S*289	UBUF	11-SRP-95	03-OCT-95	55	UGG	1.6	
METALS IN SOIL BY ICAP	JS16	V	BDX0215	DV4S*442	UBVF	27-SRP-95	20-OCT-95	9.39	UGG	35.9	
METALS IN SOIL BY ICAP	JS16	V	BXAX0215	DV4S*217	UBVF	27-SRP-95	20-OCT-95	13.5	UGG	35.9	
METALS IN SOIL BY ICAP	JS16	V	BX2W0100	DV4S*246	UBVF	19-SRP-95	05-OCT-95	10.7	UGG	6.8	
METALS IN SOIL BY ICAP	JS16	V	BX2W0100	DV4S*435	UBVF	19-SRP-95	05-OCT-95	10	UGG	6.8	
METALS IN SOIL BY ICAP	JS16	V	DD570300	DV4S*431	UBUF	13-SRP-95	03-OCT-95	46.4	UGG	72.5	
METALS IN SOIL BY ICAP	JS16	V	DX570300	DV4S*187	UBUF	13-SRP-95	03-OCT-95	21.7	UGG	72.5	
METALS IN SOIL BY ICAP	JS16	V	DD2W0100	DV4S*400	UBUF	11-SRP-95	03-OCT-95	15.2	UGG	19.5	
METALS IN SOIL BY ICAP	JS16	V	DX2W0100	DV4S*289	UBUF	11-SRP-95	03-OCT-95	12.5	UGG	19.5	
METALS IN SOIL BY ICAP	JS16	V	ED570405	DV4S*436	UBVF	19-SRP-95	05-OCT-95	4.37	UGG	14.7	
METALS IN SOIL BY ICAP	JS16	V	EX570405	DV4S*104	UBVF	19-SRP-95	05-OCT-95	3.77	UGG	14.7	
METALS IN SOIL BY ICAP	JS16	ZN	BXAX0215	DV4S*217	UBVF	27-SRP-95	20-OCT-95	41.1	UGG	18.6	
METALS IN SOIL BY ICAP	JS16	ZN	BDX0215	DV4S*442	UBVF	27-SRP-95	20-OCT-95	34.1	UGG	18.6	
METALS IN SOIL BY ICAP	JS16	ZN	BX2W0100	DV4S*246	UBVF	19-SRP-95	05-OCT-95	20.8	UGG	10.1	
METALS IN SOIL BY ICAP	JS16	ZN	BX2W0100	DV4S*435	UBVF	19-SRP-95	05-OCT-95	18.8	UGG	10.1	
METALS IN SOIL BY ICAP	JS16	ZN	DD570300	DV4S*431	UBUF	13-SRP-95	03-OCT-95	457	UGG	114.1	
METALS IN SOIL BY ICAP	JS16	ZN	DX570300	DV4S*187	UBUF	13-SRP-95	03-OCT-95	125	UGG	114.1	
METALS IN SOIL BY ICAP	JS16	ZN	DD2W0100	DV4S*400	UBUF	11-SRP-95	03-OCT-95	71.4	UGG	2.7	
METALS IN SOIL BY ICAP	JS16	ZN	DX2W0100	DV4S*289	UBUF	11-SRP-95	03-OCT-95	69.5	UGG	2.7	
METALS IN SOIL BY ICAP	JS16	ZN	EX570405	DV4S*104	UBVF	19-SRP-95	05-OCT-95	9.76	UGG	2.4	
METALS IN SOIL BY ICAP	JS16	ZN	ED570405	DV4S*436	UBVF	19-SRP-95	05-OCT-95	10	UGG	2.4	

SAMPLE DUBLICATES (NON-FILTERED SAMPLES)

Method Description	IRDMIS Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value Units		RPD
								<	>	
BNA'S IN SOIL BY GC/MS	LM18	124TCB	BDAX0215	DV4S*442	OBTG	27-SBP-95	10-OCT-95	<	.04	U3G
	LM18	124TCB	BKXX0215	DV4S*217	OBTG	27-SBP-95	10-OCT-95	<	.04	U3G
	LM18	124TCB	BKXW0100	DV4S*435	OBOG	19-SBP-95	30-SBP-95	<	.2	U3G
	LM18	124TCB	BKXW0100	DV4S*246	OBOG	19-SBP-95	30-SBP-95	<	.2	U3G
	LM18	124TCB	DXS70300	DV4S*187	OBKG	13-SBP-95	26-SBP-95	<	.4	U3G
	LM18	124TCB	DDS70300	DV4S*431	OBLG	13-SBP-95	26-SBP-95	<	.2	U3G
	LM18	124TCB	DDZM0100	DV4S*400	OBJG	11-SBP-95	28-SBP-95	<	.2	U3G
	LM18	124TCB	DXZM0100	DV4S*289	OBJG	11-SBP-95	27-SBP-95	<	.2	U3G
	LM18	124TCB	EDS70405	DV4S*436	OBOG	19-SBP-95	29-SBP-95	<	.04	U3G
	LM18	124TCB	EXS70405	DV4S*104	OBOG	19-SBP-95	29-SBP-95	<	.04	U3G
	LM18	12DCLE	BKAX0215	DV4S*217	OBTG	27-SBP-95	10-OCT-95	<	.11	U3G
	LM18	12DCLE	BKAX0215	DV4S*442	OBTG	27-SBP-95	10-OCT-95	<	.11	U3G
	LM18	12DCLE	BKXW0100	DV4S*435	OBOG	19-SBP-95	30-SBP-95	<	.6	U3G
	LM18	12DCLE	BKXW0100	DV4S*246	OBOG	19-SBP-95	30-SBP-95	<	.6	U3G
	LM18	12DCLE	DDS70300	DV4S*431	OBLG	13-SBP-95	26-SBP-95	<	.6	U3G
	LM18	12DCLE	DDS70300	DV4S*187	OBKG	13-SBP-95	26-SBP-95	<	.6	U3G
BNA'S IN SOIL BY GC/MS	LM18	12DCLE	DDZM0100	DV4S*400	OBJG	11-SBP-95	28-SBP-95	<	.6	U3G
	LM18	12DCLE	DXZM0100	DV4S*289	OBJG	11-SBP-95	27-SBP-95	<	.6	U3G
	LM18	12DCLE	EDS70405	DV4S*436	OBOG	19-SBP-95	29-SBP-95	<	.11	U3G
	LM18	12DCLE	EXS70405	DV4S*104	OBOG	19-SBP-95	29-SBP-95	<	.11	U3G
	LM18	12DPH	BKAX0215	DV4S*217	OBTG	27-SBP-95	10-OCT-95	<	.14	U3G
	LM18	12DPH	BKAX0215	DV4S*442	OBTG	27-SBP-95	10-OCT-95	<	.14	U3G
	LM18	12DPH	BKXW0100	DV4S*435	OBOG	19-SBP-95	30-SBP-95	<	.7	U3G
	LM18	12DPH	BKXW0100	DV4S*246	OBOG	19-SBP-95	30-SBP-95	<	.7	U3G
	LM18	12DPH	DDS70300	DV4S*431	OBLG	13-SBP-95	26-SBP-95	<	.7	U3G
	LM18	12DPH	DDS70300	DV4S*187	OBKG	13-SBP-95	26-SBP-95	<	.7	U3G
	LM18	12DPH	DDZM0100	DV4S*400	OBJG	11-SBP-95	28-SBP-95	<	.7	U3G
	LM18	12DPH	DXZM0100	DV4S*289	OBJG	11-SBP-95	27-SBP-95	<	.7	U3G
	LM18	12DPH	EDS70405	DV4S*436	OBOG	19-SBP-95	29-SBP-95	<	.14	U3G
	LM18	12DPH	BKAX0215	DV4S*217	OBTG	27-SBP-95	10-OCT-95	<	.14	U3G
	LM18	12DPH	BKAX0215	DV4S*442	OBTG	27-SBP-95	10-OCT-95	<	.14	U3G
	LM18	12DPH	BKXW0100	DV4S*435	OBOG	19-SBP-95	30-SBP-95	<	.7	U3G

SAMPLE DUBLICATES (NON-FILTERED SAMPLES)

Method Description	IRDMIS Field Code	Test Name	IRDMIS Field Sample Number	Lab			Sample Date	Analysis Date	Value	Units	RPD
				Number	Lot	<					
BNA'S IN SOIL BY GC/MS	LM18	12DPH	EX570405	DV4S*104	OBOG	19-SEP-95	29-SEP-95	<	.14	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	13DCLB	BXAX0215	DV4S*217	OBTG	27-SEP-95	10-OCT-95	<	.13	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	13DCLB	BXAX0215	DV4S*442	OBTG	27-SEP-95	10-OCT-95	<	.13	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	13DCLB	BXZM0100	DV4S*246	OBOG	19-SEP-95	30-SEP-95	<	.6	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	13DCLB	BXZM0100	DV4S*435	OBOG	19-SEP-95	30-SEP-95	<	.6	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	13DCLB	DD570300	DV4S*431	OBLG	13-SEP-95	26-SEP-95	<	.6	UGG	50.0
BNA'S IN SOIL BY GC/MS	LM18	13DCLB	DD570300	DV4S*187	OBKG	13-SEP-95	26-SEP-95	<	.6	UGG	50.0
BNA'S IN SOIL BY GC/MS	LM18	13DCLB	DDZM0100	DV4S*289	OBJG	11-SEP-95	27-SEP-95	<	.6	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	13DCLB	DDZM0100	DV4S*430	OBJG	11-SEP-95	28-SEP-95	<	.6	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	13DCLB	ED570405	DV4S*436	OBOG	19-SEP-95	29-SEP-95	<	.13	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	13DCLB	EX570405	DV4S*104	OBOG	19-SEP-95	29-SEP-95	<	.13	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	14DCLB	BXAX0215	DV4S*442	OBTG	27-SEP-95	10-OCT-95	<	.098	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	14DCLB	BXAX0215	DV4S*217	OBTG	27-SEP-95	10-OCT-95	<	.098	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	14DCLB	BXZM0100	DV4S*435	OBOG	19-SEP-95	30-SEP-95	<	.5	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	14DCLB	BXZM0100	DV4S*246	OBOG	19-SEP-95	30-SEP-95	<	.5	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	14DCLB	DD570300	DV4S*431	OBLG	13-SEP-95	26-SEP-95	<	.5	UGG	66.7
BNA'S IN SOIL BY GC/MS	LM18	14DCLB	DD570300	DV4S*187	OBKG	13-SEP-95	26-SEP-95	<	.5	UGG	66.7
BNA'S IN SOIL BY GC/MS	LM18	14DCLB	DDZM0100	DV4S*289	OBJG	11-SEP-95	28-SEP-95	<	.5	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	14DCLB	DDZM0100	DV4S*289	OBJG	11-SEP-95	27-SEP-95	<	.5	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	14DCLB	ED570405	DV4S*436	OBOG	19-SEP-95	29-SEP-95	<	.098	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	14DCLB	EX570405	DV4S*104	OBOG	19-SEP-95	29-SEP-95	<	.098	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	245TCP	BXAX0215	DV4S*217	OBTG	27-SEP-95	10-OCT-95	<	.1	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	245TCP	BXAX0215	DV4S*442	OBTG	27-SEP-95	10-OCT-95	<	.1	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	245TCP	BXZM0100	DV4S*246	OBOG	19-SEP-95	30-SEP-95	<	.5	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	245TCP	BXZM0100	DV4S*435	OBOG	19-SEP-95	30-SEP-95	<	.5	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	245TCP	DD570300	DV4S*431	OBLG	13-SEP-95	26-SEP-95	<	.5	UGG	66.7
BNA'S IN SOIL BY GC/MS	LM18	245TCP	DD570300	DV4S*187	OBKG	13-SEP-95	26-SEP-95	<	.5	UGG	66.7
BNA'S IN SOIL BY GC/MS	LM18	245TCP	DDZM0100	DV4S*289	OBJG	11-SEP-95	27-SEP-95	<	.5	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	245TCP	DDZM0100	DV4S*289	OBJG	11-SEP-95	28-SEP-95	<	.5	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	245TCP	ED570405	DV4S*436	OBOG	19-SEP-95	29-SEP-95	<	.1	UGG	0.0

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	<	Value	Units	RPD
BNA'S IN SOIL BY GC/MS	LM18	24DMPN	EX570405	DV4S*104	OBOG	19-SEP-95	29-SEP-95	<	.69	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	24DNP	BXAX0215	DV4S*217	OBTG	27-SEP-95	10-OCT-95	<	1.2	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	24DNP	BDX0215	DV4S*442	OBTG	27-SEP-95	10-OCT-95	<	1.2	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	24DNP	BXZM0100	DV4S*246	OBOG	19-SEP-95	30-SEP-95	<	6	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	24DNP	BXZM0100	DV4S*435	OBOG	19-SEP-95	30-SEP-95	<	6	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	24DNP	DD570300	DV4S*187	OBKG	13-SEP-95	26-SEP-95	<	10	UGG	50.0
BNA'S IN SOIL BY GC/MS	LM18	24DNP	DD570300	DV4S*431	OBLG	13-SEP-95	26-SEP-95	<	6	UGG	50.0
BNA'S IN SOIL BY GC/MS	LM18	24DNP	DXZM0100	DV4S*289	OBJG	11-SEP-95	27-SEP-95	<	6	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	24DNP	DDZM0100	DV4S*400	OBJG	11-SEP-95	28-SEP-95	<	6	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	24DNP	ED570405	DV4S*436	OBOG	19-SEP-95	29-SEP-95	<	1.2	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	24DNP	EX570405	DV4S*104	OBOG	19-SEP-95	29-SEP-95	<	1.2	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	24DNT	BXAX0215	DV4S*217	OBTG	27-SEP-95	10-OCT-95	<	.14	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	24DNT	BDX0215	DV4S*442	OBTG	27-SEP-95	10-OCT-95	<	.14	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	24DNT	BXZM0100	DV4S*435	OBOG	19-SEP-95	30-SEP-95	<	.7	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	24DNT	BXZM0100	DV4S*246	OBOG	19-SEP-95	30-SEP-95	<	.7	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	24DNT	DD570300	DV4S*431	OBLG	13-SEP-95	26-SEP-95	<	.7	UGG	35.3
BNA'S IN SOIL BY GC/MS	LM18	24DNT	DD570300	DV4S*187	OBKG	13-SEP-95	26-SEP-95	<	1	UGG	35.3
BNA'S IN SOIL BY GC/MS	LM18	24DNT	DDZM0100	DV4S*400	OBJG	11-SEP-95	28-SEP-95	<	.7	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	24DNT	DXZM0100	DV4S*289	OBJG	11-SEP-95	27-SEP-95	<	.7	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	24DNT	ED570405	DV4S*436	OBOG	19-SEP-95	29-SEP-95	<	.14	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	24DNT	EX570405	DV4S*104	OBOG	19-SEP-95	29-SEP-95	<	.14	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	26DNT	BXAX0215	DV4S*217	OBTG	27-SEP-95	10-OCT-95	<	.085	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	26DNT	BDX0215	DV4S*442	OBTG	27-SEP-95	10-OCT-95	<	.085	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	26DNT	BXZM0100	DV4S*246	OBOG	19-SEP-95	30-SEP-95	<	.4	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	26DNT	BXZM0100	DV4S*435	OBOG	19-SEP-95	30-SEP-95	<	.4	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	26DNT	DD570300	DV4S*187	OBKG	13-SEP-95	26-SEP-95	<	.8	UGG	66.7
BNA'S IN SOIL BY GC/MS	LM18	26DNT	DD570300	DV4S*431	OBLG	13-SEP-95	26-SEP-95	<	.4	UGG	66.7
BNA'S IN SOIL BY GC/MS	LM18	26DNT	DXZM0100	DV4S*289	OBJG	11-SEP-95	27-SEP-95	<	.4	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	26DNT	DDZM0100	DV4S*400	OBJG	11-SEP-95	28-SEP-95	<	.4	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	26DNT	ED570405	DV4S*436	OBOG	19-SEP-95	29-SEP-95	<	.085	UGG	0.0

SAMPLE DUBLICATES (NON-FILTERED SAMPLES)



SAMPLE DUBLICATES (NON-FILTERED SAMPLES)

IRDMIS		IRDMIS	Field		Lab		Sample		Analysis		Value Units		RPD
Method	Test	Sample	Number	Lot	Number	Lot	Date	Date	Date				
Code	Name	Number											
Method Description													
BNA'S IN SOIL BY GC/MS	LM18	2NNAP	EX570405	DV4S*104	OBOG	19-SEP-95	29-SEP-95	<			.049	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	2NP	BXAX0215	DV4S*217	OBTG	27-SEP-95	10-OCT-95	<			.029	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	2NP	BDAX0215	DV4S*442	OBTG	27-SEP-95	10-OCT-95	<			.029	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	2NP	BXZWO100	DV4S*246	OBOG	19-SEP-95	30-SEP-95	<			.1	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	2NP	BXZWO100	DV4S*435	OBOG	19-SEP-95	30-SEP-95	<			.1	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	2NP	DX570300	DV4S*187	OBKG	13-SEP-95	26-SEP-95	<			.3	UGG	100.0
BNA'S IN SOIL BY GC/MS	LM18	2NP	DD570300	DV4S*431	OBKG	13-SEP-95	26-SEP-95	<			.1	UGG	100.0
BNA'S IN SOIL BY GC/MS	LM18	2NP	DDZWO100	DV4S*289	OBKG	11-SEP-95	27-SEP-95	<			.1	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	2NP	DDZWO100	DV4S*400	OBKG	11-SEP-95	28-SEP-95	<			.1	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	2NP	ED570405	DV4S*436	OBOG	19-SEP-95	29-SEP-95	<			.029	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	2NP	EX570405	DV4S*104	OBOG	19-SEP-95	29-SEP-95	<			.029	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	2NNATIL	BXAX0215	DV4S*217	OBTG	27-SEP-95	10-OCT-95	<			.062	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	2NNATIL	BDAX0215	DV4S*442	OBTG	27-SEP-95	10-OCT-95	<			.062	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	2NNATIL	BXZWO100	DV4S*435	OBOG	19-SEP-95	30-SEP-95	<			.3	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	2NNATIL	BXZWO100	DV4S*246	OBOG	19-SEP-95	30-SEP-95	<			.3	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	2NNATIL	DX570300	DV4S*187	OBKG	13-SEP-95	26-SEP-95	<			.6	UGG	66.7
BNA'S IN SOIL BY GC/MS	LM18	2NNATIL	DD570300	DV4S*431	OBKG	13-SEP-95	26-SEP-95	<			.3	UGG	66.7
BNA'S IN SOIL BY GC/MS	LM18	2NNATIL	DDZWO100	DV4S*400	OBKG	11-SEP-95	28-SEP-95	<			.3	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	2NNATIL	DXZWO100	DV4S*289	OBKG	11-SEP-95	27-SEP-95	<			.3	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	2NNATIL	ED570405	DV4S*436	OBOG	19-SEP-95	29-SEP-95	<			.062	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	2NNATIL	EX570405	DV4S*104	OBOG	19-SEP-95	29-SEP-95	<			.062	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	2NP	BXAX0215	DV4S*217	OBTG	27-SEP-95	10-OCT-95	<			.14	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	2NP	BDAX0215	DV4S*442	OBTG	27-SEP-95	10-OCT-95	<			.14	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	2NP	BXZWO100	DV4S*246	OBOG	19-SEP-95	30-SEP-95	<			.7	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	2NP	BXZWO100	DV4S*435	OBOG	19-SEP-95	30-SEP-95	<			.7	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	2NP	DD570300	DV4S*187	OBKG	13-SEP-95	26-SEP-95	<			.7	UGG	35.3
BNA'S IN SOIL BY GC/MS	LM18	2NP	DD570300	DV4S*431	OBKG	13-SEP-95	26-SEP-95	<			.1	UGG	35.3
BNA'S IN SOIL BY GC/MS	LM18	2NP	DDZWO100	DV4S*289	OBKG	11-SEP-95	27-SEP-95	<			.7	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	2NP	DDZWO100	DV4S*400	OBKG	11-SEP-95	28-SEP-95	<			.7	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	2NP	ED570405	DV4S*436	OBOG	19-SEP-95	29-SEP-95	<			.14	UGG	0.0

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 2, 7 Sites

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value Units	RPD
BNA'S IN SOIL BY GC/MS	LM18	2NP	EX570405	DV4S*104	OBOG	19-SEP-95	29-SEP-95	< .14 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	2TMPD	BXZM0100	DV4S*246	OBOG	19-SEP-95	30-SEP-95	5 UGG	50.0
BNA'S IN SOIL BY GC/MS	LM18	2TMPD	BXZM0100	DV4S*435	OBOG	19-SEP-95	30-SEP-95	3 UGG	50.0
BNA'S IN SOIL BY GC/MS	LM18	33DCBD	BXAX0215	DV4S*217	OETG	27-SEP-95	10-OCT-95	6.3 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	33DCBD	BXAX0215	DV4S*442	OETG	27-SEP-95	10-OCT-95	6.3 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	33DCBD	BXZM0100	DV4S*246	OBOG	19-SEP-95	30-SEP-95	30 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	33DCBD	BXZM0100	DV4S*435	OBOG	19-SEP-95	30-SEP-95	30 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	33DCBD	DX570300	DV4S*187	OBOG	13-SEP-95	26-SEP-95	60 UGG	66.7
BNA'S IN SOIL BY GC/MS	LM18	33DCBD	DX570300	DV4S*431	OBLG	13-SEP-95	26-SEP-95	30 UGG	66.7
BNA'S IN SOIL BY GC/MS	LM18	33DCBD	DDZM0100	DV4S*400	OBOG	11-SEP-95	28-SEP-95	30 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	33DCBD	DXZM0100	DV4S*289	OBOG	11-SEP-95	27-SEP-95	30 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	33DCBD	ED570405	DV4S*436	OBOG	19-SEP-95	29-SEP-95	6.3 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	33DCBD	EX570405	DV4S*104	OBOG	19-SEP-95	29-SEP-95	6.3 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	3NANIL	BXAX0215	DV4S*217	OETG	27-SEP-95	10-OCT-95	.45 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	3NANIL	BXAX0215	DV4S*442	OETG	27-SEP-95	10-OCT-95	.45 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	3NANIL	BXZM0100	DV4S*435	OBOG	19-SEP-95	30-SEP-95	2 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	3NANIL	BXZM0100	DV4S*246	OBOG	19-SEP-95	30-SEP-95	2 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	3NANIL	DX570300	DV4S*187	OBOG	13-SEP-95	26-SEP-95	4 UGG	66.7
BNA'S IN SOIL BY GC/MS	LM18	3NANIL	DXZM0100	DV4S*431	OBLG	13-SEP-95	26-SEP-95	2 UGG	66.7
BNA'S IN SOIL BY GC/MS	LM18	3NANIL	DDZM0100	DV4S*289	OBOG	11-SEP-95	27-SEP-95	2 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	3NANIL	ED570405	DV4S*436	OBOG	19-SEP-95	28-SEP-95	2 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	3NANIL	EX570405	DV4S*104	OBOG	19-SEP-95	29-SEP-95	.45 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	3NANIL	EX570405	DV4S*104	OBOG	19-SEP-95	29-SEP-95	.45 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	46DN2C	BXAX0215	DV4S*217	OETG	27-SEP-95	10-OCT-95	.55 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	46DN2C	BXAX0215	DV4S*442	OETG	27-SEP-95	10-OCT-95	.55 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	46DN2C	BXZM0100	DV4S*246	OBOG	19-SEP-95	30-SEP-95	3 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	46DN2C	BXZM0100	DV4S*435	OBOG	19-SEP-95	30-SEP-95	3 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	46DN2C	DX570300	DV4S*187	OBOG	13-SEP-95	26-SEP-95	6 UGG	66.7
BNA'S IN SOIL BY GC/MS	LM18	46DN2C	DD570300	DV4S*431	OBLG	13-SEP-95	26-SEP-95	3 UGG	66.7

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

IRDMIS Method Code	IRDMIS Field Number	Test Name	Method Description	Lab			Sample Date	Analysis Date	Value	Units	RPD
				Number	Lot	Date					
LM18	46DN2C	BNA'S IN SOIL BY GC/MS	DDZW0100	DV4S*400	OB7G	11-SRP-95	28-SEP-95	<	3	UGG	0.0
LM18	46DN2C	BNA'S IN SOIL BY GC/MS	DXZW0100	DV4S*289	OB7G	11-SRP-95	27-SEP-95	<	3	UGG	0.0
LM18	46DN2C	BNA'S IN SOIL BY GC/MS	EDS70405	DV4S*436	OB7G	19-SRP-95	29-SEP-95	<	.55	UGG	0.0
LM18	46DN2C	BNA'S IN SOIL BY GC/MS	EXS70405	DV4S*104	OB7G	19-SRP-95	29-SEP-95	<	.55	UGG	0.0
LM18	4BRPPE	BNA'S IN SOIL BY GC/MS	BXAX0215	DV4S*217	OB7G	27-SRP-95	10-OCT-95	<	.033	UGG	0.0
LM18	4BRPPE	BNA'S IN SOIL BY GC/MS	BDAX0215	DV4S*442	OB7G	27-SRP-95	10-OCT-95	<	.033	UGG	0.0
LM18	4BRPPE	BNA'S IN SOIL BY GC/MS	BXZW0100	DV4S*435	OB7G	19-SRP-95	30-SEP-95	<	.2	UGG	0.0
LM18	4BRPPE	BNA'S IN SOIL BY GC/MS	BXZW0100	DV4S*246	OB7G	19-SRP-95	30-SEP-95	<	.2	UGG	0.0
LM18	4BRPPE	BNA'S IN SOIL BY GC/MS	DXS70300	DV4S*187	OB7G	13-SRP-95	26-SEP-95	<	.3	UGG	40.0
LM18	4BRPPE	BNA'S IN SOIL BY GC/MS	DDS70300	DV4S*431	OB7G	13-SRP-95	26-SEP-95	<	.2	UGG	40.0
LM18	4BRPPE	BNA'S IN SOIL BY GC/MS	DXZW0100	DV4S*289	OB7G	11-SRP-95	27-SEP-95	<	.2	UGG	0.0
LM18	4BRPPE	BNA'S IN SOIL BY GC/MS	DDZW0100	DV4S*400	OB7G	11-SRP-95	28-SEP-95	<	.2	UGG	0.0
LM18	4BRPPE	BNA'S IN SOIL BY GC/MS	EDS70405	DV4S*436	OB7G	19-SRP-95	29-SEP-95	<	.033	UGG	0.0
LM18	4BRPPE	BNA'S IN SOIL BY GC/MS	EXS70405	DV4S*104	OB7G	19-SRP-95	29-SEP-95	<	.033	UGG	0.0
LM18	4CANIL	BNA'S IN SOIL BY GC/MS	BXAX0215	DV4S*217	OB7G	27-SRP-95	10-OCT-95	<	.81	UGG	0.0
LM18	4CANIL	BNA'S IN SOIL BY GC/MS	BDAX0215	DV4S*442	OB7G	27-SRP-95	10-OCT-95	<	.81	UGG	0.0
LM18	4CANIL	BNA'S IN SOIL BY GC/MS	BXZW0100	DV4S*246	OB7G	19-SRP-95	30-SEP-95	<	4	UGG	0.0
LM18	4CANIL	BNA'S IN SOIL BY GC/MS	BXZW0100	DV4S*435	OB7G	19-SRP-95	30-SEP-95	<	4	UGG	0.0
LM18	4CANIL	BNA'S IN SOIL BY GC/MS	DXS70300	DV4S*187	OB7G	13-SRP-95	26-SEP-95	<	8	UGG	66.7
LM18	4CANIL	BNA'S IN SOIL BY GC/MS	DDS70300	DV4S*431	OB7G	13-SRP-95	26-SEP-95	<	4	UGG	66.7
LM18	4CANIL	BNA'S IN SOIL BY GC/MS	DXZW0100	DV4S*400	OB7G	11-SRP-95	28-SEP-95	<	4	UGG	0.0
LM18	4CANIL	BNA'S IN SOIL BY GC/MS	DXZW0100	DV4S*289	OB7G	11-SRP-95	27-SEP-95	<	4	UGG	0.0
LM18	4CANIL	BNA'S IN SOIL BY GC/MS	EDS70405	DV4S*436	OB7G	19-SRP-95	29-SEP-95	<	.81	UGG	0.0
LM18	4CANIL	BNA'S IN SOIL BY GC/MS	EXS70405	DV4S*104	OB7G	19-SRP-95	29-SEP-95	<	.81	UGG	0.0
LM18	4CL3C	BNA'S IN SOIL BY GC/MS	BXAX0215	DV4S*217	OB7G	27-SRP-95	10-OCT-95	<	.095	UGG	0.0
LM18	4CL3C	BNA'S IN SOIL BY GC/MS	BDAX0215	DV4S*442	OB7G	27-SRP-95	10-OCT-95	<	.095	UGG	0.0
LM18	4CL3C	BNA'S IN SOIL BY GC/MS	BXZW0100	DV4S*435	OB7G	19-SRP-95	30-SEP-95	<	.5	UGG	0.0
LM18	4CL3C	BNA'S IN SOIL BY GC/MS	BXZW0100	DV4S*246	OB7G	19-SRP-95	30-SEP-95	<	.5	UGG	0.0
LM18	4CL3C	BNA'S IN SOIL BY GC/MS	DXS70300	DV4S*431	OB7G	13-SRP-95	26-SEP-95	<	.5	UGG	66.7
LM18	4CL3C	BNA'S IN SOIL BY GC/MS	DDS70300	DV4S*187	OB7G	13-SRP-95	26-SEP-95	<	1	UGG	66.7

SAMPLE DUBLICATES (NON-FILTERED SAMPLES)

IRDMIS			IRDMIS		
Method	Field	Test	Sample	Lab	Analysis
Code		Name	Number	Number	Date
Method Description					
				Lot	Sample Date
LM18	BNA'S	4CL3C	DDZW0100	DV4S*400	OB3G
LM18	BNA'S	4CL3C	DXZM0100	DV4S*289	OB3G
LM18	BNA'S	4CL3C	ED570405	DV4S*436	OB0G
LM18	BNA'S	4CL3C	EX570405	DV4S*104	OB0G
LM18	BNA'S	4CLPPB	BXAX0215	DV4S*217	OBTG
LM18	BNA'S	4CLPPB	BXAX0215	DV4S*442	OBTG
LM18	BNA'S	4CLPPB	BXZM0100	DV4S*246	OB0G
LM18	BNA'S	4CLPPB	BXZM0100	DV4S*435	OB0G
LM18	BNA'S	4CLPPB	DX570300	DV4S*187	OBKG
LM18	BNA'S	4CLPPB	DD570300	DV4S*431	OB1G
LM18	BNA'S	4CLPPB	DDZW0100	DV4S*400	OB3G
LM18	BNA'S	4CLPPB	DD570405	DV4S*289	OB3G
LM18	BNA'S	4CLPPB	ED570405	DV4S*436	OB0G
LM18	BNA'S	4CLPPB	EX570405	DV4S*104	OB0G
LM18	BNA'S	4MP	BXAX0215	DV4S*217	OBTG
LM18	BNA'S	4MP	BXAX0215	DV4S*442	OBTG
LM18	BNA'S	4MP	BXZM0100	DV4S*435	OB0G
LM18	BNA'S	4MP	BXZM0100	DV4S*246	OB0G
LM18	BNA'S	4MP	DX570300	DV4S*187	OBKG
LM18	BNA'S	4MP	DD570300	DV4S*431	OB1G
LM18	BNA'S	4MP	DDZW0100	DV4S*400	OB3G
LM18	BNA'S	4MP	DD570405	DV4S*289	OB3G
LM18	BNA'S	4MP	ED570405	DV4S*436	OB0G
LM18	BNA'S	4MP	EX570405	DV4S*104	OB0G
LM18	BNA'S	4NANIL	BXAX0215	DV4S*217	OBTG
LM18	BNA'S	4NANIL	BXAX0215	DV4S*442	OBTG
LM18	BNA'S	4NANIL	BXZM0100	DV4S*246	OB0G
LM18	BNA'S	4NANIL	BXZM0100	DV4S*435	OB0G
LM18	BNA'S	4NANIL	DX570300	DV4S*187	OBKG
LM18	BNA'S	4NANIL	DD570300	DV4S*431	OB1G
LM18	BNA'S	4NANIL	DD570405	DV4S*400	OB3G
LM18	BNA'S	4NANIL	DD570405	DV4S*289	OB3G
LM18	BNA'S	4NANIL	ED570405	DV4S*436	OB0G
LM18	BNA'S	4NANIL	EX570405	DV4S*104	OB0G
LM18	BNA'S	4NANIL	BXAX0215	DV4S*217	OBTG
LM18	BNA'S	4NANIL	BXAX0215	DV4S*442	OBTG
LM18	BNA'S	4NANIL	BXZM0100	DV4S*246	OB0G
LM18	BNA'S	4NANIL	BXZM0100	DV4S*435	OB0G
LM18	BNA'S	4NANIL	DX570300	DV4S*187	OBKG
LM18	BNA'S	4NANIL	DD570300	DV4S*431	OB1G
LM18	BNA'S	4NANIL	DD570405	DV4S*400	OB3G
LM18	BNA'S	4NANIL	DD570405	DV4S*289	OB3G
LM18	BNA'S	4NANIL	ED570405	DV4S*436	OB0G
LM18	BNA'S	4NANIL	EX570405	DV4S*104	OB0G
LM18	BNA'S	4NANIL	BXAX0215	DV4S*217	OBTG
LM18	BNA'S	4NANIL	BXAX0215	DV4S*442	OBTG
LM18	BNA'S	4NANIL	BXZM0100	DV4S*246	OB0G
LM18	BNA'S	4NANIL	BXZM0100	DV4S*435	OB0G
LM18	BNA'S	4NANIL	DX570300	DV4S*187	OBKG
LM18	BNA'S	4NANIL	DD570300	DV4S*431	OB1G
LM18	BNA'S	4NANIL	DD570405	DV4S*400	OB3G
LM18	BNA'S	4NANIL	DD570405	DV4S*289	OB3G
LM18	BNA'S	4NANIL	ED570405	DV4S*436	OB0G
LM18	BNA'S	4NANIL	EX570405	DV4S*104	OB0G
LM18	BNA'S	4NANIL	BXAX0215	DV4S*217	OBTG
LM18	BNA'S	4NANIL	BXAX0215	DV4S*442	OBTG
LM18	BNA'S	4NANIL	BXZM0100	DV4S*246	OB0G
LM18	BNA'S	4NANIL	BXZM0100	DV4S*435	OB0G
LM18	BNA'S	4NANIL	DX570300	DV4S*187	OBKG
LM18	BNA'S	4NANIL	DD570300	DV4S*431	OB1G
LM18	BNA'S	4NANIL	DD570405	DV4S*400	OB3G
LM18	BNA'S	4NANIL	DD570405	DV4S*289	OB3G
LM18	BNA'S	4NANIL	ED570405	DV4S*436	OB0G
LM18	BNA'S	4NANIL	EX570405	DV4S*104	OB0G
LM18	BNA'S	4NANIL	BXAX0215	DV4S*217	OBTG
LM18	BNA'S	4NANIL	BXAX0215	DV4S*442	OBTG
LM18	BNA'S	4NANIL	BXZM0100	DV4S*246	OB0G
LM18	BNA'S	4NANIL	BXZM0100	DV4S*435	OB0G
LM18	BNA'S	4NANIL	DX570300	DV4S*187	OBKG
LM18	BNA'S	4NANIL	DD570300	DV4S*431	OB1G
LM18	BNA'S	4NANIL	DD570405	DV4S*400	OB3G
LM18	BNA'S	4NANIL	DD570405	DV4S*289	OB3G
LM18	BNA'S	4NANIL	ED570405	DV4S*436	OB0G
LM18	BNA'S	4NANIL	EX570405	DV4S*104	OB0G
LM18	BNA'S	4NANIL	BXAX0215	DV4S*217	OBTG
LM18	BNA'S	4NANIL	BXAX0215	DV4S*442	OBTG
LM18	BNA'S	4NANIL	BXZM0100	DV4S*246	OB0G
LM18	BNA'S	4NANIL	BXZM0100	DV4S*435	OB0G
LM18	BNA'S	4NANIL	DX570300	DV4S*187	OBKG
LM18	BNA'S	4NANIL	DD570300	DV4S*431	OB1G
LM18	BNA'S	4NANIL	DD570405	DV4S*400	OB3G
LM18	BNA'S	4NANIL	DD570405	DV4S*289	OB3G
LM18	BNA'S	4NANIL	ED570405	DV4S*436	OB0G
LM18	BNA'S	4NANIL	EX570405	DV4S*104	OB0G
LM18	BNA'S	4NANIL	BXAX0215	DV4S*217	OBTG
LM18	BNA'S	4NANIL	BXAX0215	DV4S*442	OBTG
LM18	BNA'S	4NANIL	BXZM0100	DV4S*246	OB0G
LM18	BNA'S	4NANIL	BXZM0100	DV4S*435	OB0G
LM18	BNA'S	4NANIL	DX570300	DV4S*187	OBKG
LM18	BNA'S	4NANIL	DD570300	DV4S*431	OB1G
LM18	BNA'S	4NANIL	DD570405	DV4S*400	OB3G
LM18	BNA'S	4NANIL	DD570405	DV4S*289	OB3G
LM18	BNA'S	4NANIL	ED570405	DV4S*436	OB0G
LM18	BNA'S	4NANIL	EX570405	DV4S*104	OB0G
LM18	BNA'S	4NANIL	BXAX0215	DV4S*217	OBTG
LM18	BNA'S	4NANIL	BXAX0215	DV4S*442	OBTG
LM18	BNA'S	4NANIL	BXZM0100	DV4S*246	OB0G
LM18	BNA'S	4NANIL	BXZM0100	DV4S*435	OB0G
LM18	BNA'S	4NANIL	DX570300	DV4S*187	OBKG
LM18	BNA'S	4NANIL	DD570300	DV4S*431	OB1G
LM18	BNA'S	4NANIL	DD570405	DV4S*400	OB3G
LM18	BNA'S	4NANIL	DD570405	DV4S*289	OB3G
LM18	BNA'S	4NANIL	ED570405	DV4S*436	OB0G
LM18	BNA'S	4NANIL	EX570405	DV4S*104	OB0G
LM18	BNA'S	4NANIL	BXAX0215	DV4S*217	OBTG
LM18	BNA'S	4NANIL	BXAX0215	DV4S*442	OBTG
LM18	BNA'S	4NANIL	BXZM0100	DV4S*246	OB0G
LM18	BNA'S	4NANIL	BXZM0100	DV4S*435	OB0G
LM18	BNA'S	4NANIL	DX570300	DV4S*187	OBKG
LM18	BNA'S	4NANIL	DD570300	DV4S*431	OB1G
LM18	BNA'S	4NANIL	DD570405	DV4S*400	OB3G
LM18	BNA'S	4NANIL	DD570405	DV4S*289	OB3G
LM18	BNA'S	4NANIL	ED570405	DV4S*436	OB0G
LM18	BNA'S	4NANIL	EX570405	DV4S*104	OB0G
LM18	BNA'S	4NANIL	BXAX0215	DV4S*217	OBTG
LM18	BNA'S	4NANIL	BXAX0215	DV4S*442	OBTG
LM18	BNA'S	4NANIL	BXZM0100	DV4S*246	OB0G
LM18	BNA'S	4NANIL	BXZM0100	DV4S*435	OB0G
LM18	BNA'S	4NANIL	DX570300	DV4S*187	OBKG
LM18	BNA'S	4NANIL	DD570300	DV4S*431	OB1G
LM18	BNA'S	4NANIL	DD570405	DV4S*400	OB3G
LM18	BNA'S	4NANIL	DD570405	DV4S*289	OB3G
LM18	BNA'S	4NANIL	ED570405	DV4S*436	OB0G
LM18	BNA'S	4NANIL	EX570405	DV4S*104	OB0G
LM18	BNA'S	4NANIL	BXAX0215	DV4S*217	OBTG
LM18	BNA'S	4NANIL	BXAX0215	DV4S*442	OBTG
LM18	BNA'S	4NANIL	BXZM0100	DV4S*246	OB0G
LM18	BNA'S	4NANIL	BXZM0100	DV4S*435	OB0G
LM18	BNA'S	4NANIL	DX570300	DV4S*187	OBKG
LM18	BNA'S	4NANIL	DD570300	DV4S*431	OB1G
LM18	BNA'S	4NANIL	DD570405	DV4S*400	OB3G
LM18	BNA'S	4NANIL	DD570405	DV4S*289	OB3G
LM18	BNA'S	4NANIL	ED570405	DV4S*436	OB0G
LM18	BNA'S	4NANIL	EX570405	DV4S*104	OB0G
LM18	BNA'S	4NANIL	BXAX0215	DV4S*217	OBTG
LM18	BNA'S	4NANIL	BXAX0215	DV4S*442	OBTG
LM18	BNA'S	4NANIL	BXZM0100	DV4S*246	OB0G
LM18	BNA'S	4NANIL	BXZM0100	DV4S*435	OB0G
LM18	BNA'S	4NANIL	DX570300	DV4S*187	OBKG
LM18	BNA'S	4NANIL	DD570300	DV4S*431	OB1G
LM18	BNA'S	4NANIL	DD570405	DV4S*400	OB3G
LM18	BNA'S	4NANIL	DD570405	DV4S*289	OB3G
LM18	BNA'S	4NANIL	ED570405	DV4S*436	OB0G
LM18	BNA'S	4NANIL	EX570405	DV4S*104	OB0G
LM18	BNA'S	4NANIL	BXAX0215	DV4S*217	OBTG
LM18	BNA'S	4NANIL	BXAX0215	DV4S*442	OBTG
LM18	BNA'S	4NANIL	BXZM0100	DV4S*246	OB0G
LM18	BNA'S	4NANIL	BXZM0100	DV4S*435	OB0G
LM18	BNA'S	4NANIL	DX570300	DV4S*187	OBKG
LM18	BNA'S	4NANIL	DD570300	DV4S*431	OB1G
LM18	BNA'S	4NANIL	DD570405	DV4S*400	OB3G
LM18	BNA'S	4NANIL	DD570405	DV4S*289	OB3G
LM18	BNA'S	4NANIL	ED570405	DV4S*436	OB0G
LM18	BNA'S	4NANIL	EX570405	DV4S*104	OB0G
LM18	BNA'S	4NANIL	BXAX0215	DV4S*217	OBTG
LM18	BNA'S	4NANIL	BXAX0215	DV4S*442	OBTG
LM18	BNA'S	4NANIL	BXZM0100	DV4S*246	OB0G
LM18	BNA'S	4NANIL	BXZM0100	DV4S*435	OB0G
LM18	BNA'S	4NANIL	DX570300	DV4S*187	OBKG
LM18	BNA'S	4NANIL	DD570300	DV4S*431	OB1G
LM18	BNA'S	4NANIL	DD570405	DV4S*400	OB3G
LM18	BNA'S	4NANIL	DD570405	DV4S*289	OB3G
LM18	BNA'S	4NANIL	ED570405	DV4S*436	OB0G
LM18	BNA'S	4NANIL	EX570405	DV4S*104	OB0G
LM18	BNA'S	4NANIL	BXAX0215	DV4S*217	OBTG
LM18	BNA'S	4NANIL	BXAX0215	DV4S*442	OBTG
LM18	BNA'S	4NANIL	BXZM0100	DV4S*246	OB0G
LM18	BNA'S	4NANIL	BXZM0100	DV4S*435	OB0G
LM18	BNA'S	4NANIL	DX570300	DV4S*187	OBKG
LM18	BNA'S	4NANIL	DD570300	DV4S*431	OB1G
LM18	BNA'S	4NANIL	DD570405	DV4S*400	OB3G
LM18	BNA'S	4NANIL	DD570405	DV4S*289	OB3G
LM18	BNA'S	4NANIL	ED570405	DV4S*436	OB0G
LM18	BNA'S	4NANIL	EX570405	DV4S*104	OB0G
LM18	BNA'S	4NANIL	BXAX0215	DV4S*217	OBTG
LM18	BNA'S	4NANIL	BXAX0215	DV4S*442	OBTG
LM18	BNA'S	4NANIL	BXZM0100	DV4S*246	OB0G
LM18	BNA'S	4NANIL	BXZM0100	DV4S*435	OB0G
LM18	BNA'S	4NANIL	DX570300	DV4S*187	OBKG
LM18	BNA'S	4NANIL	DD570300	DV4S*431	OB1G
LM18	BNA'S	4NANIL	DD570405	DV4S*400	OB3G
LM18	BNA'S	4NANIL	DD570405	DV4S*289	OB3G
LM18	BNA'S	4NANIL	ED570405	DV4S*436	OB0G
LM18	BNA'S	4NANIL	EX570405	DV4S*104	OB0G
LM18	BNA'S	4NANIL	BXAX0215	DV4S*217	OBTG
LM18	BNA'S	4NANIL	BXAX0215	DV4S*442	OBTG
LM18	BNA'S	4NANIL	BXZM0100	DV4S*246	OB0G
LM18	BNA'S	4NANIL	BXZM0100	DV4S*435	OB0G
LM18	BNA'S	4NANIL	DX570300	DV4S*187	OBKG
LM18	BNA'S	4NANIL	DD570300	DV4S*431	OB1G
LM18	BNA'S	4NANIL	DD570405	DV4S*400	OB3G
LM18	BNA'S	4NANIL	DD570405	DV4S*289	OB3G
LM18	BNA'S	4NANIL	ED570405	DV4S*436	OB0G
LM18	BNA'S	4NANIL	EX570405	DV4S*104	OB0G
LM18	BNA'S	4NANIL	BXAX0215	DV4S*217	OBTG
LM18	BNA'S	4NANIL	BXAX0215	DV4S*442	OBTG
LM18	BNA'S	4NANIL	BXZM0100	DV4S*246	OB0G
LM18	BNA'S	4NANIL	BXZM0100	DV4S*435	OB0G
LM18	BNA'S	4NANIL	DX570300	DV4S*187	OBKG
LM18	BNA'S	4NANIL	DD570300	DV4S*431	OB1G
LM18	BNA'S	4NANIL	DD570405	DV4S*400	OB3G
LM18	BNA'S	4NANIL	DD570405	DV4S*289	OB3G
LM18	BNA'S	4NANIL	ED570405	DV4S*436	OB0G
LM18	BNA'S	4NANIL	EX570405	DV4S*104	OB0G
LM18	BNA'S	4NANIL	BXAX0215	DV4S*217	OBTG
LM18	BNA'S	4NANIL	BXAX0215	DV4S*442	OBTG

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

Group 2, 7 Sites

(NON-FILTERED SAMPLES)

[illegible]

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

SAMPLE DUBLICATES (NON-FILTERED SAMPLES)

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 2, 7 Sites

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

IRDMIS		Field		Lab		Sample		Analysis		Value		Units		RPD	
Method	Description	Code	Test Name	Sample Number	Lab Number	Lot	Date	Date							
BNA'S IN SOIL BY GC/MS	LM18	B2EHP	DX2W0100	DV4S*289	OBTG	11-SHP-95	27-SHP-95	<	3	U3G	0.0				
BNA'S IN SOIL BY GC/MS	LM18	B2EHP	DD2W0100	DV4S*400	OBTG	11-SHP-95	28-SHP-95	<	3	U3G	0.0				
BNA'S IN SOIL BY GC/MS	LM18	B2EHP	ED570405	DV4S*436	OBTG	19-SHP-95	29-SHP-95	<	.62	U3G	0.0				
BNA'S IN SOIL BY GC/MS	LM18	B2EHP	EX570405	DV4S*104	OBTG	19-SHP-95	29-SHP-95	<	.62	U3G	0.0				
BNA'S IN SOIL BY GC/MS	LM18	BAANTR	BXAX0215	DV4S*217	OBTG	27-SHP-95	10-OCT-95	<	.17	U3G	0.0				
BNA'S IN SOIL BY GC/MS	LM18	BAANTR	BXAX0215	DV4S*442	OBTG	27-SHP-95	10-OCT-95	<	.17	U3G	0.0				
BNA'S IN SOIL BY GC/MS	LM18	BAANTR	BX2W0100	DV4S*435	OBTG	19-SHP-95	30-SHP-95	<	.8	U3G	0.0				
BNA'S IN SOIL BY GC/MS	LM18	BAANTR	BX2W0100	DV4S*246	OBTG	19-SHP-95	30-SHP-95	<	.8	U3G	0.0				
BNA'S IN SOIL BY GC/MS	LM18	BAANTR	DD570300	DV4S*431	OBTG	13-SHP-95	26-SHP-95	<	.8	U3G	85.7				
BNA'S IN SOIL BY GC/MS	LM18	BAANTR	DX570300	DV4S*187	OBTG	13-SHP-95	26-SHP-95	<	.8	U3G	85.7				
BNA'S IN SOIL BY GC/MS	LM18	BAANTR	DD2W0100	DV4S*400	OBTG	11-SHP-95	28-SHP-95	<	.8	U3G	0.0				
BNA'S IN SOIL BY GC/MS	LM18	BAANTR	DX570405	DV4S*289	OBTG	11-SHP-95	27-SHP-95	<	.8	U3G	0.0				
BNA'S IN SOIL BY GC/MS	LM18	BAANTR	ED570405	DV4S*436	OBTG	19-SHP-95	29-SHP-95	<	.17	U3G	0.0				
BNA'S IN SOIL BY GC/MS	LM18	BAANTR	EX570405	DV4S*104	OBTG	19-SHP-95	29-SHP-95	<	.17	U3G	0.0				
BNA'S IN SOIL BY GC/MS	LM18	BAPYR	BXAX0215	DV4S*217	OBTG	27-SHP-95	10-OCT-95	<	.25	U3G	0.0				
BNA'S IN SOIL BY GC/MS	LM18	BAPYR	BXAX0215	DV4S*442	OBTG	27-SHP-95	10-OCT-95	<	.25	U3G	0.0				
BNA'S IN SOIL BY GC/MS	LM18	BAPYR	BX2W0100	DV4S*246	OBTG	19-SHP-95	30-SHP-95	<	1	U3G	0.0				
BNA'S IN SOIL BY GC/MS	LM18	BAPYR	BX2W0100	DV4S*435	OBTG	19-SHP-95	30-SHP-95	<	1	U3G	0.0				
BNA'S IN SOIL BY GC/MS	LM18	BAPYR	DD570300	DV4S*187	OBTG	13-SHP-95	26-SHP-95	<	2	U3G	66.7				
BNA'S IN SOIL BY GC/MS	LM18	BAPYR	DX570300	DV4S*431	OBTG	13-SHP-95	26-SHP-95	<	2	U3G	66.7				
BNA'S IN SOIL BY GC/MS	LM18	BAPYR	DD2W0100	DV4S*289	OBTG	11-SHP-95	27-SHP-95	<	1	U3G	0.0				
BNA'S IN SOIL BY GC/MS	LM18	BAPYR	DX570405	DV4S*400	OBTG	11-SHP-95	28-SHP-95	<	1	U3G	0.0				
BNA'S IN SOIL BY GC/MS	LM18	BAPYR	ED570405	DV4S*436	OBTG	19-SHP-95	29-SHP-95	<	.25	U3G	0.0				
BNA'S IN SOIL BY GC/MS	LM18	BAPYR	EX570405	DV4S*104	OBTG	19-SHP-95	29-SHP-95	<	.25	U3G	0.0				
BNA'S IN SOIL BY GC/MS	LM18	BBPANT	BXAX0215	DV4S*217	OBTG	27-SHP-95	10-OCT-95	<	.21	U3G	0.0				
BNA'S IN SOIL BY GC/MS	LM18	BBPANT	BXAX0215	DV4S*442	OBTG	27-SHP-95	10-OCT-95	<	.21	U3G	0.0				
BNA'S IN SOIL BY GC/MS	LM18	BBPANT	BX2W0100	DV4S*435	OBTG	19-SHP-95	30-SHP-95	<	1	U3G	0.0				
BNA'S IN SOIL BY GC/MS	LM18	BBPANT	BX2W0100	DV4S*246	OBTG	19-SHP-95	30-SHP-95	<	1	U3G	0.0				
BNA'S IN SOIL BY GC/MS	LM18	BBPANT	DX570300	DV4S*187	OBTG	13-SHP-95	26-SHP-95	<	2	U3G	66.7				
BNA'S IN SOIL BY GC/MS	LM18	BBPANT	DD570300	DV4S*431	OBTG	13-SHP-95	26-SHP-95	<	2	U3G	66.7				

SAMPLE DUBLICATS (NON-FILTERED SAMPLES)

IRMIS		IRMIS		IRMIS									
Method	Field	Test	Sample	Lab	Lot	Sample	Analysis	Value	Units	RPD			
Code	Description	Name	Number	Number	Date	Date	Date						
LM18	RNA'S IN SOIL BY GC/MS	BBPANT	DDZW0100	DV4S*400	OBJG	11-SRP-95	28-SRP-95	<	1	UGG	0.0		
LM18	RNA'S IN SOIL BY GC/MS	BBPANT	DXZW0100	DV4S*289	OBJG	11-SRP-95	27-SRP-95	<	1	UGG	0.0		
LM18	RNA'S IN SOIL BY GC/MS	BBPANT	ED570405	DV4S*436	OBOG	19-SRP-95	29-SRP-95	<	.21	UGG	0.0		
LM18	RNA'S IN SOIL BY GC/MS	BBPANT	EX570405	DV4S*104	OBOG	19-SRP-95	29-SRP-95	<	.21	UGG	0.0		
LM18	RNA'S IN SOIL BY GC/MS	BBHC	BXAX0215	DV4S*217	OBTG	27-SRP-95	10-OCT-95	<	.27	UGG	0.0		
LM18	RNA'S IN SOIL BY GC/MS	BBHC	BXAX0215	DV4S*442	OBTG	27-SRP-95	10-OCT-95	<	.27	UGG	0.0		
LM18	RNA'S IN SOIL BY GC/MS	BBHC	BXZW0100	DV4S*246	OBOG	19-SRP-95	30-SRP-95	<	1	UGG	0.0		
LM18	RNA'S IN SOIL BY GC/MS	BBHC	BXZW0100	DV4S*435	OBOG	19-SRP-95	30-SRP-95	<	1	UGG	0.0		
LM18	RNA'S IN SOIL BY GC/MS	BBHC	DD570300	DV4S*187	OBKG	13-SRP-95	26-SRP-95	<	3	UGG	100.0		
LM18	RNA'S IN SOIL BY GC/MS	BBHC	DP570300	DV4S*431	OBLG	13-SRP-95	26-SRP-95	<	1	UGG	100.0		
LM18	RNA'S IN SOIL BY GC/MS	BBHC	DDZW0100	DV4S*400	OBJG	11-SRP-95	28-SRP-95	<	1	UGG	0.0		
LM18	RNA'S IN SOIL BY GC/MS	BBHC	DXZW0100	DV4S*289	OBJG	11-SRP-95	27-SRP-95	<	1	UGG	0.0		
LM18	RNA'S IN SOIL BY GC/MS	BBHC	ED570405	DV4S*436	OBOG	19-SRP-95	29-SRP-95	<	.27	UGG	0.0		
LM18	RNA'S IN SOIL BY GC/MS	BBHC	EX570405	DV4S*104	OBOG	19-SRP-95	29-SRP-95	<	.27	UGG	0.0		
LM18	RNA'S IN SOIL BY GC/MS	BBZP	BXAX0215	DV4S*217	OBTG	27-SRP-95	10-OCT-95	<	.17	UGG	0.0		
LM18	RNA'S IN SOIL BY GC/MS	BBZP	BXAX0215	DV4S*442	OBTG	27-SRP-95	10-OCT-95	<	.17	UGG	0.0		
LM18	RNA'S IN SOIL BY GC/MS	BBZP	BXZW0100	DV4S*435	OBOG	19-SRP-95	30-SRP-95	<	.8	UGG	0.0		
LM18	RNA'S IN SOIL BY GC/MS	BBZP	BXZW0100	DV4S*246	OBOG	19-SRP-95	30-SRP-95	<	.8	UGG	0.0		
LM18	RNA'S IN SOIL BY GC/MS	BBZP	DD570300	DV4S*431	OBLG	13-SRP-95	26-SRP-95	<	.8	UGG	85.7		
LM18	RNA'S IN SOIL BY GC/MS	BBZP	DX570300	DV4S*187	OBKG	13-SRP-95	26-SRP-95	<	2	UGG	85.7		
LM18	RNA'S IN SOIL BY GC/MS	BBZP	DDZW0100	DV4S*400	OBJG	11-SRP-95	28-SRP-95	<	.8	UGG	0.0		
LM18	RNA'S IN SOIL BY GC/MS	BBZP	DXZW0100	DV4S*289	OBJG	11-SRP-95	27-SRP-95	<	.8	UGG	0.0		
LM18	RNA'S IN SOIL BY GC/MS	BBZP	ED570405	DV4S*436	OBOG	19-SRP-95	29-SRP-95	<	.17	UGG	0.0		
LM18	RNA'S IN SOIL BY GC/MS	BBZP	EX570405	DV4S*104	OBOG	19-SRP-95	29-SRP-95	<	.17	UGG	0.0		
LM18	RNA'S IN SOIL BY GC/MS	BENSLP	BXAX0215	DV4S*217	OBTG	27-SRP-95	10-OCT-95	<	.62	UGG	0.0		
LM18	RNA'S IN SOIL BY GC/MS	BENSLP	BXAX0215	DV4S*442	OBTG	27-SRP-95	10-OCT-95	<	.62	UGG	0.0		
LM18	RNA'S IN SOIL BY GC/MS	BENSLP	BXZW0100	DV4S*435	OBOG	19-SRP-95	30-SRP-95	<	3	UGG	0.0		
LM18	RNA'S IN SOIL BY GC/MS	BENSLP	BXZW0100	DV4S*246	OBOG	19-SRP-95	30-SRP-95	<	3	UGG	0.0		
LM18	RNA'S IN SOIL BY GC/MS	BENSLP	DD570300	DV4S*187	OBKG	13-SRP-95	26-SRP-95	<	6	UGG	66.7		
LM18	RNA'S IN SOIL BY GC/MS	BENSLP	DP570300	DV4S*431	OBLG	13-SRP-95	26-SRP-95	<	3	UGG	66.7		

SAMPLE DUBLICATES (NON-FILTERED SAMPLES)

SAMPLE DUBLICATES (NON-FILTERED SAMPLES)

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SAMPLE DPLICATES (NON-FILTERED SAMPLES)

[illegible]

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 2, 7 Sites

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value	Units	RPD
BNA'S IN SOIL BY GC/MS	LM18	CL6BZ	DD570300	DV4S*431	ORLG	13-SEP-95	26-SEP-95	<	.2	UGG
BNA'S IN SOIL BY GC/MS	LM18	CL6BZ	DD570300	DV4S*400	ORLG	11-SEP-95	28-SEP-95	<	.2	UGG
BNA'S IN SOIL BY GC/MS	LM18	CL6BZ	DD570300	DV4S*289	ORLG	11-SEP-95	27-SEP-95	<	.2	UGG
BNA'S IN SOIL BY GC/MS	LM18	CL6BZ	DD570300	DV4S*436	ORLG	19-SEP-95	29-SEP-95	<	.033	UGG
BNA'S IN SOIL BY GC/MS	LM18	CL6BZ	DD570300	DV4S*104	ORLG	19-SEP-95	29-SEP-95	<	.033	UGG
BNA'S IN SOIL BY GC/MS	LM18	CL6CP	DD570300	DV4S*217	ORLG	27-SEP-95	10-OCT-95	<	6.2	UGG
BNA'S IN SOIL BY GC/MS	LM18	CL6CP	DD570300	DV4S*442	ORLG	27-SEP-95	10-OCT-95	<	6.2	UGG
BNA'S IN SOIL BY GC/MS	LM18	CL6CP	DD570300	DV4S*246	ORLG	19-SEP-95	30-SEP-95	<	30	UGG
BNA'S IN SOIL BY GC/MS	LM18	CL6CP	DD570300	DV4S*435	ORLG	19-SEP-95	30-SEP-95	<	30	UGG
BNA'S IN SOIL BY GC/MS	LM18	CL6CP	DD570300	DV4S*187	ORLG	13-SEP-95	26-SEP-95	<	60	UGG
BNA'S IN SOIL BY GC/MS	LM18	CL6CP	DD570300	DV4S*431	ORLG	13-SEP-95	26-SEP-95	<	30	UGG
BNA'S IN SOIL BY GC/MS	LM18	CL6CP	DD570300	DV4S*289	ORLG	11-SEP-95	27-SEP-95	<	30	UGG
BNA'S IN SOIL BY GC/MS	LM18	CL6CP	DD570300	DV4S*400	ORLG	11-SEP-95	28-SEP-95	<	30	UGG
BNA'S IN SOIL BY GC/MS	LM18	CL6CP	DD570300	DV4S*436	ORLG	19-SEP-95	29-SEP-95	<	6.2	UGG
BNA'S IN SOIL BY GC/MS	LM18	CL6CP	DD570300	DV4S*104	ORLG	19-SEP-95	29-SEP-95	<	6.2	UGG
BNA'S IN SOIL BY GC/MS	LM18	CL6ET	DD570300	DV4S*217	ORLG	27-SEP-95	10-OCT-95	<	.15	UGG
BNA'S IN SOIL BY GC/MS	LM18	CL6ET	DD570300	DV4S*442	ORLG	27-SEP-95	10-OCT-95	<	.15	UGG
BNA'S IN SOIL BY GC/MS	LM18	CL6ET	DD570300	DV4S*435	ORLG	19-SEP-95	30-SEP-95	<	.8	UGG
BNA'S IN SOIL BY GC/MS	LM18	CL6ET	DD570300	DV4S*246	ORLG	19-SEP-95	30-SEP-95	<	.8	UGG
BNA'S IN SOIL BY GC/MS	LM18	CL6ET	DD570300	DV4S*431	ORLG	13-SEP-95	26-SEP-95	<	.8	UGG
BNA'S IN SOIL BY GC/MS	LM18	CL6ET	DD570300	DV4S*187	ORLG	13-SEP-95	26-SEP-95	<	.8	UGG
BNA'S IN SOIL BY GC/MS	LM18	CL6ET	DD570300	DV4S*400	ORLG	11-SEP-95	28-SEP-95	<	.8	UGG
BNA'S IN SOIL BY GC/MS	LM18	CL6ET	DD570300	DV4S*289	ORLG	11-SEP-95	27-SEP-95	<	.8	UGG
BNA'S IN SOIL BY GC/MS	LM18	CL6ET	DD570300	DV4S*436	ORLG	19-SEP-95	29-SEP-95	<	.15	UGG
BNA'S IN SOIL BY GC/MS	LM18	CL6ET	DD570300	DV4S*104	ORLG	19-SEP-95	29-SEP-95	<	.15	UGG
BNA'S IN SOIL BY GC/MS	LM18	DBAHA	DD570300	DV4S*217	ORLG	27-SEP-95	10-OCT-95	<	.21	UGG
BNA'S IN SOIL BY GC/MS	LM18	DBAHA	DD570300	DV4S*442	ORLG	27-SEP-95	10-OCT-95	<	.21	UGG
BNA'S IN SOIL BY GC/MS	LM18	DBAHA	DD570300	DV4S*435	ORLG	19-SEP-95	30-SEP-95	<	1	UGG
BNA'S IN SOIL BY GC/MS	LM18	DBAHA	DD570300	DV4S*246	ORLG	19-SEP-95	30-SEP-95	<	1	UGG
BNA'S IN SOIL BY GC/MS	LM18	DBAHA	DD570300	DV4S*187	ORLG	13-SEP-95	26-SEP-95	<	2	UGG

SAMPLE DUBLICATES (NON-FILTERED SAMPLES)

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 2, 7 Sites

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value	Units	RPD
BNA'S IN SOIL BY GC/MS	LM18	DEP	DD570300	DV4S*431	ORLG	13-SRP-95	26-SRP-95	<	1 UGG	66.7
BNA'S IN SOIL BY GC/MS	LM18	DEP	DXZM0100	DV4S*289	ORLG	11-SRP-95	27-SRP-95	<	1 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	DEP	DDZM0100	DV4S*400	ORLG	11-SRP-95	28-SRP-95	<	1 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	DEP	ED570405	DV4S*436	OROG	19-SRP-95	29-SRP-95	<	.24 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	DEP	EK570405	DV4S*104	OROG	19-SRP-95	29-SRP-95	<	.24 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	DLDN	EXAX0215	DV4S*217	ORLG	27-SRP-95	10-OCT-95	<	.31 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	DLDN	BDAX0215	DV4S*442	ORLG	27-SRP-95	10-OCT-95	<	.31 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	DLDN	EXZM0100	DV4S*435	OROG	19-SRP-95	30-SRP-95	<	2 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	DLDN	EXZM0100	DV4S*246	OROG	19-SRP-95	30-SRP-95	<	2 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	DLDN	DX570300	DV4S*187	ORLG	13-SRP-95	26-SRP-95	<	3 UGG	40.0
BNA'S IN SOIL BY GC/MS	LM18	DLDN	DD570300	DV4S*431	ORLG	13-SRP-95	26-SRP-95	<	2 UGG	40.0
BNA'S IN SOIL BY GC/MS	LM18	DLDN	DDZM0100	DV4S*400	ORLG	11-SRP-95	28-SRP-95	<	2 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	DLDN	DXZM0100	DV4S*289	ORLG	11-SRP-95	27-SRP-95	<	2 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	DLDN	ED570405	DV4S*436	OROG	19-SRP-95	29-SRP-95	<	.31 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	DLDN	EK570405	DV4S*104	OROG	19-SRP-95	29-SRP-95	<	.31 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	DMP	EXAX0215	DV4S*217	ORLG	27-SRP-95	10-OCT-95	<	.17 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	DMP	BDAX0215	DV4S*442	ORLG	27-SRP-95	10-OCT-95	<	.17 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	DMP	EXZM0100	DV4S*246	OROG	19-SRP-95	30-SRP-95	<	.8 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	DMP	EXZM0100	DV4S*435	OROG	19-SRP-95	30-SRP-95	<	.8 UGG	85.7
BNA'S IN SOIL BY GC/MS	LM18	DMP	DD570300	DV4S*431	ORLG	13-SRP-95	26-SRP-95	<	.8 UGG	85.7
BNA'S IN SOIL BY GC/MS	LM18	DMP	DXZM0100	DV4S*187	ORLG	13-SRP-95	26-SRP-95	<	.8 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	DMP	DDZM0100	DV4S*400	ORLG	11-SRP-95	27-SRP-95	<	.8 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	DMP	ED570405	DV4S*436	OROG	19-SRP-95	29-SRP-95	<	.17 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	DMP	EK570405	DV4S*104	OROG	19-SRP-95	29-SRP-95	<	.17 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	DNEP	EXAX0215	DV4S*217	ORLG	27-SRP-95	10-OCT-95	<	.061 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	DNEP	BDAX0215	DV4S*442	ORLG	27-SRP-95	10-OCT-95	<	.061 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	DNEP	EXZM0100	DV4S*435	OROG	19-SRP-95	30-SRP-95	<	.3 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	DNEP	EXZM0100	DV4S*246	OROG	19-SRP-95	30-SRP-95	<	.3 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	DNEP	DX570300	DV4S*187	ORLG	13-SRP-95	26-SRP-95	<	.6 UGG	66.7

SAMPLE DPLICATES (NON-FILTERED SAMPLES)

IRDMIS Field	Method Code	Test Name	Sample Number	Analysis						RPD	
				Lab Number	Lot	Sample Date	Date	<	Value Units		
IRDMIS Field	BNA'S IN SOIL BY GC/MS	DNEP	DD570300	DV4S*431	OBLG	13-SEP-95	26-SEP-95	<	.3 UGG	66.7	
	RNA'S IN SOIL BY GC/MS	DNEP	DDZM0100	DV4S*400	OBJG	11-SEP-95	28-SEP-95	<	.3 UGG	0.0	
	BNA'S IN SOIL BY GC/MS	DNEP	DXZM0100	DV4S*289	OBJG	11-SEP-95	27-SEP-95	<	.3 UGG	0.0	
	RNA'S IN SOIL BY GC/MS	DNEP	ED570405	DV4S*434	OBOG	19-SEP-95	29-SEP-95	<	.061 UGG	0.0	
	BNA'S IN SOIL BY GC/MS	DNEP	EX570405	DV4S*104	OBOG	19-SEP-95	29-SEP-95	<	.061 UGG	0.0	
	BNA'S IN SOIL BY GC/MS	DNOP	BXX02015	DV4S*217	ORTG	27-SEP-95	10-OCT-95	<	.19 UGG	0.0	
	RNA'S IN SOIL BY GC/MS	DNOP	BDA02015	DV4S*442	ORTG	27-SEP-95	10-OCT-95	<	.19 UGG	0.0	
	BNA'S IN SOIL BY GC/MS	DNOP	BXZM0100	DV4S*246	OBOG	19-SEP-95	30-SEP-95	<	1 UGG	0.0	
IRDMIS Field	BNA'S IN SOIL BY GC/MS	DNOP	BXZM0100	DV4S*435	OBOG	19-SEP-95	30-SEP-95	<	1 UGG	0.0	
	RNA'S IN SOIL BY GC/MS	DNOP	DD570300	DV4S*187	ORNG	13-SEP-95	26-SEP-95	<	2 UGG	66.7	
	BNA'S IN SOIL BY GC/MS	DNOP	DD570300	DV4S*431	OBLG	13-SEP-95	26-SEP-95	<	1 UGG	66.7	
	RNA'S IN SOIL BY GC/MS	DNOP	DDZM0100	DV4S*289	OBJG	11-SEP-95	27-SEP-95	<	1 UGG	0.0	
	BNA'S IN SOIL BY GC/MS	DNOP	DDZM0100	DV4S*400	OBJG	11-SEP-95	28-SEP-95	<	1 UGG	0.0	
	RNA'S IN SOIL BY GC/MS	DNOP	DXZM0100	DV4S*289	OBJG	11-SEP-95	27-SEP-95	<	2 UGG	0.0	
	BNA'S IN SOIL BY GC/MS	DNOP	ED570405	DV4S*436	OBOG	19-SEP-95	29-SEP-95	<	.19 UGG	0.0	
	RNA'S IN SOIL BY GC/MS	DNOP	EX570405	DV4S*104	OBOG	19-SEP-95	29-SEP-95	<	.19 UGG	0.0	
IRDMIS Field	BNA'S IN SOIL BY GC/MS	ENDRN	BXX02015	DV4S*217	ORTG	27-SEP-95	10-OCT-95	<	.45 UGG	0.0	
	RNA'S IN SOIL BY GC/MS	ENDRN	BDA02015	DV4S*442	ORTG	27-SEP-95	10-OCT-95	<	.45 UGG	0.0	
	BNA'S IN SOIL BY GC/MS	ENDRN	BXZM0100	DV4S*435	OBOG	19-SEP-95	30-SEP-95	<	2 UGG	0.0	
	RNA'S IN SOIL BY GC/MS	ENDRN	BXZM0100	DV4S*246	OBOG	19-SEP-95	30-SEP-95	<	2 UGG	0.0	
	BNA'S IN SOIL BY GC/MS	ENDRN	DD570300	DV4S*187	ORNG	13-SEP-95	26-SEP-95	<	4 UGG	66.7	
	RNA'S IN SOIL BY GC/MS	ENDRN	DD570300	DV4S*431	OBLG	13-SEP-95	26-SEP-95	<	2 UGG	66.7	
	BNA'S IN SOIL BY GC/MS	ENDRN	DDZM0100	DV4S*400	OBJG	11-SEP-95	28-SEP-95	<	2 UGG	0.0	
	RNA'S IN SOIL BY GC/MS	ENDRN	DXZM0100	DV4S*289	OBJG	11-SEP-95	27-SEP-95	<	2 UGG	0.0	
IRDMIS Field	BNA'S IN SOIL BY GC/MS	ENDRN	ED570405	DV4S*436	OBOG	19-SEP-95	29-SEP-95	<	.45 UGG	0.0	
	RNA'S IN SOIL BY GC/MS	ENDRN	EX570405	DV4S*104	OBOG	19-SEP-95	29-SEP-95	<	.45 UGG	0.0	
	BNA'S IN SOIL BY GC/MS	ENDRNA	BXX02015	DV4S*217	ORTG	27-SEP-95	10-OCT-95	<	.53 UGG	0.0	
	RNA'S IN SOIL BY GC/MS	ENDRNA	BDA02015	DV4S*442	ORTG	27-SEP-95	10-OCT-95	<	.53 UGG	0.0	
	BNA'S IN SOIL BY GC/MS	ENDRNA	BXZM0100	DV4S*246	OBOG	19-SEP-95	30-SEP-95	<	3 UGG	0.0	
	RNA'S IN SOIL BY GC/MS	ENDRNA	BXZM0100	DV4S*435	OBOG	19-SEP-95	30-SEP-95	<	3 UGG	0.0	
	BNA'S IN SOIL BY GC/MS	ENDRNA	DD570300	DV4S*187	ORNG	13-SEP-95	26-SEP-95	<	5 UGG	50.0	
	RNA'S IN SOIL BY GC/MS	ENDRNA	DD570300	DV4S*431	OBLG	13-SEP-95	26-SEP-95	<	5 UGG	50.0	

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 2, 7 Sites

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value	Units	RPD
BNA'S IN SOIL BY GC/MS	LM18	ENDRNA	DD570300	DV4S*431	ORIG	13-SEP-95	26-SEP-95	<	3 UGG	50.0
BNA'S IN SOIL BY GC/MS	LM18	ENDRNA	DD570300	DV4S*400	ORIG	11-SEP-95	28-SEP-95	<	3 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	ENDRNA	DX2W0100	DV4S*289	ORIG	11-SEP-95	27-SEP-95	<	3 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	ENDRNA	ED570405	DV4S*436	OROG	19-SEP-95	29-SEP-95	<	.53 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	ENDRNA	EX570405	DV4S*104	OROG	19-SEP-95	29-SEP-95	<	.53 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	ENDRNA	EX570405	DV4S*217	ORIG	27-SEP-95	10-OCT-95	<	.53 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	ENDRNA	ED570405	DV4S*442	ORIG	27-SEP-95	10-OCT-95	<	.53 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	ENDRNA	EX570405	DV4S*435	OROG	19-SEP-95	30-SEP-95	<	3 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	ENDRNA	EX570405	DV4S*246	OROG	19-SEP-95	30-SEP-95	<	3 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	ENDRNA	DD570300	DV4S*187	ORIG	13-SEP-95	26-SEP-95	<	5 UGG	50.0
BNA'S IN SOIL BY GC/MS	LM18	ENDRNA	DD570300	DV4S*431	ORIG	13-SEP-95	26-SEP-95	<	3 UGG	50.0
BNA'S IN SOIL BY GC/MS	LM18	ENDRNA	DD570300	DV4S*400	ORIG	11-SEP-95	28-SEP-95	<	3 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	ENDRNA	DX2W0100	DV4S*289	ORIG	11-SEP-95	27-SEP-95	<	3 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	ENDRNA	ED570405	DV4S*436	OROG	19-SEP-95	29-SEP-95	<	.53 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	ENDRNA	EX570405	DV4S*104	OROG	19-SEP-95	29-SEP-95	<	.53 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	ESPSO4	EX570405	DV4S*217	ORIG	27-SEP-95	10-OCT-95	<	.62 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	ESPSO4	ED570405	DV4S*442	ORIG	27-SEP-95	10-OCT-95	<	.62 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	ESPSO4	EX570405	DV4S*246	OROG	19-SEP-95	30-SEP-95	<	3 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	ESPSO4	EX570405	DV4S*435	OROG	19-SEP-95	30-SEP-95	<	3 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	ESPSO4	DD570300	DV4S*187	ORIG	13-SEP-95	26-SEP-95	<	6 UGG	66.7
BNA'S IN SOIL BY GC/MS	LM18	ESPSO4	DD570300	DV4S*431	ORIG	13-SEP-95	26-SEP-95	<	3 UGG	66.7
BNA'S IN SOIL BY GC/MS	LM18	ESPSO4	DD570300	DV4S*400	ORIG	11-SEP-95	28-SEP-95	<	3 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	ESPSO4	DX2W0100	DV4S*289	ORIG	11-SEP-95	27-SEP-95	<	3 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	ESPSO4	ED570405	DV4S*436	OROG	19-SEP-95	29-SEP-95	<	.62 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	ESPSO4	EX570405	DV4S*104	OROG	19-SEP-95	29-SEP-95	<	.62 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	PANT	EX570405	DV4S*217	ORIG	27-SEP-95	10-OCT-95	<	.068 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	PANT	ED570405	DV4S*442	ORIG	27-SEP-95	10-OCT-95	<	.068 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	PANT	EX570405	DV4S*435	OROG	19-SEP-95	30-SEP-95	<	.3 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	PANT	EX570405	DV4S*246	OROG	19-SEP-95	30-SEP-95	<	.3 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	PANT	DD570300	DV4S*187	ORIG	13-SEP-95	26-SEP-95	<	7 UGG	33.3

SAMPLE DPLICATES (NON-FILTERED SAMPLES)

[illegible]

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

IRDMIS		IRDMIS		IRDMIS										
Method	Field	Test	Sample	Lab	Lot	Sample	Analysis	Value	Units	RPD				
Code		Name	Number	Number		Date	Date	<						
LM18	RNA'S	HCBD	BY GC/MS	DV4S*435	OBOG	19-SRP-95	30-SEP-95	<	1	UGG	0.0			
			IN SOIL	DV4S*246	OBOG	19-SRP-95	30-SEP-95	<	30	UGG	0.0			
			BY GC/MS	DV4S*187	OBKG	13-SRP-95	26-SEP-95	<	2	UGG	66.7			
			IN SOIL	DV4S*431	OBLG	13-SRP-95	26-SEP-95	<	1	UGG	66.7			
			BY GC/MS	DV4S*289	OBJG	11-SRP-95	27-SEP-95	<	1	UGG	0.0			
			IN SOIL	DV4S*400	OBJG	11-SRP-95	28-SEP-95	<	1	UGG	0.0			
			BY GC/MS	DV4S*436	OBOG	19-SRP-95	29-SEP-95	<	.23	UGG	0.0			
			IN SOIL	DV4S*104	OBOG	19-SRP-95	29-SEP-95	<	.23	UGG	0.0			
			LM18	RNA'S	HPCL	BY GC/MS	DV4S*217	OBTG	27-SRP-95	10-OCT-95	<	.13	UGG	0.0
						IN SOIL	DV4S*442	OBTG	27-SRP-95	10-OCT-95	<	.13	UGG	0.0
						BY GC/MS	DV4S*435	OBOG	19-SRP-95	30-SEP-95	<	.6	UGG	0.0
						IN SOIL	DV4S*246	OBOG	19-SRP-95	30-SEP-95	<	.6	UGG	0.0
						BY GC/MS	DV4S*431	OBLG	13-SRP-95	26-SEP-95	<	.6	UGG	50.0
						IN SOIL	DV4S*187	OBKG	13-SRP-95	26-SEP-95	<	1	UGG	50.0
						BY GC/MS	DV4S*400	OBJG	11-SRP-95	28-SEP-95	<	.6	UGG	0.0
						IN SOIL	DV4S*289	OBJG	11-SRP-95	27-SEP-95	<	.6	UGG	0.0
						BY GC/MS	DV4S*104	OBOG	19-SRP-95	29-SEP-95	<	.13	UGG	0.0
						IN SOIL	DV4S*436	OBOG	19-SRP-95	29-SEP-95	<	.13	UGG	0.0
LM18	RNA'S	HPCL				BY GC/MS	DV4S*217	OBTG	27-SRP-95	10-OCT-95	<	.33	UGG	0.0
						IN SOIL	DV4S*442	OBTG	27-SRP-95	10-OCT-95	<	.33	UGG	0.0
						BY GC/MS	DV4S*246	OBOG	19-SRP-95	30-SEP-95	<	2	UGG	0.0
						IN SOIL	DV4S*435	OBOG	19-SRP-95	30-SEP-95	<	2	UGG	0.0
						BY GC/MS	DV4S*187	OBKG	13-SRP-95	26-SEP-95	<	3	UGG	40.0
						IN SOIL	DV4S*431	OBLG	13-SRP-95	26-SEP-95	<	2	UGG	40.0
						BY GC/MS	DV4S*400	OBJG	11-SRP-95	28-SEP-95	<	2	UGG	0.0
						IN SOIL	DV4S*289	OBJG	11-SRP-95	27-SEP-95	<	2	UGG	0.0
			BY GC/MS	DV4S*104	OBOG	19-SRP-95	29-SEP-95	<	.33	UGG	0.0			
			IN SOIL	DV4S*436	OBOG	19-SRP-95	29-SEP-95	<	.33	UGG	0.0			
			LM18	RNA'S	ICDPYR	BY GC/MS	DV4S*217	OBTG	27-SRP-95	10-OCT-95	<	.29	UGG	0.0
						IN SOIL	DV4S*442	OBTG	27-SRP-95	10-OCT-95	<	.29	UGG	0.0

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 2, 7 Sites

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

IRDMIS Method Code	IRDMIS Field Sample Number	Test Name	Lab Number	Lot	Sample Date	Analysis Date	Value Units	RPD
BNA'S IN SOIL BY GC/MS	LM18	ICDPYR	DV4S*435 OROG	19-SEP-95	30-SEP-95	<	1 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	ICDPYR	DV4S*246 OROG	19-SEP-95	30-SEP-95	<	1 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	ICDPYR	DV4S*187 OROG	13-SEP-95	26-SEP-95	<	3 UGG	100.0
BNA'S IN SOIL BY GC/MS	LM18	ICDPYR	DV4S*431 OROG	13-SEP-95	26-SEP-95	<	1 UGG	100.0
BNA'S IN SOIL BY GC/MS	LM18	ICDPYR	DV4S*289 OROG	11-SEP-95	27-SEP-95	<	1 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	ICDPYR	DV4S*400 OROG	11-SEP-95	28-SEP-95	<	1 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	ICDPYR	DV4S*436 OROG	19-SEP-95	29-SEP-95	<	.29 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	ICDPYR	DV4S*104 OROG	19-SEP-95	29-SEP-95	<	.29 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	ISOPHR	DV4S*217 OROG	27-SEP-95	10-OCT-95	<	.033 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	ISOPHR	DV4S*442 OROG	27-SEP-95	10-OCT-95	<	.033 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	ISOPHR	DV4S*246 OROG	19-SEP-95	30-SEP-95	<	.2 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	ISOPHR	DV4S*435 OROG	19-SEP-95	30-SEP-95	<	.2 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	ISOPHR	DV4S*187 OROG	13-SEP-95	26-SEP-95	<	.3 UGG	40.0
BNA'S IN SOIL BY GC/MS	LM18	ISOPHR	DV4S*431 OROG	13-SEP-95	26-SEP-95	<	.2 UGG	40.0
BNA'S IN SOIL BY GC/MS	LM18	ISOPHR	DV4S*400 OROG	11-SEP-95	28-SEP-95	<	.2 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	ISOPHR	DV4S*289 OROG	11-SEP-95	27-SEP-95	<	.2 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	ISOPHR	DV4S*104 OROG	19-SEP-95	29-SEP-95	<	.033 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	ISOPHR	DV4S*436 OROG	19-SEP-95	29-SEP-95	<	.033 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	LIN	DV4S*217 OROG	27-SEP-95	10-OCT-95	<	.27 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	LIN	DV4S*442 OROG	27-SEP-95	10-OCT-95	<	.27 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	LIN	DV4S*435 OROG	19-SEP-95	30-SEP-95	<	1 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	LIN	DV4S*246 OROG	19-SEP-95	30-SEP-95	<	1 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	LIN	DV4S*187 OROG	13-SEP-95	26-SEP-95	<	3 UGG	100.0
BNA'S IN SOIL BY GC/MS	LM18	LIN	DV4S*431 OROG	13-SEP-95	26-SEP-95	<	1 UGG	100.0
BNA'S IN SOIL BY GC/MS	LM18	LIN	DV4S*400 OROG	11-SEP-95	28-SEP-95	<	1 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	LIN	DV4S*289 OROG	11-SEP-95	27-SEP-95	<	1 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	LIN	DV4S*104 OROG	19-SEP-95	29-SEP-95	<	.27 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	LIN	DV4S*436 OROG	19-SEP-95	29-SEP-95	<	.27 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	MEKCLR	DV4S*217 OROG	27-SEP-95	10-OCT-95	<	.33 UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	MEKCLR	DV4S*442 OROG	27-SEP-95	10-OCT-95	<	.33 UGG	0.0

SAMPLE DUBLICATES (NON-FILTERED SAMPLES)

IRDMIS		IRDMIS Field										
Method Code	Test Name	Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value	Units	RPD			
Method Description												
LMI8	MEXCLR	BXZM0100	DV4S*435	OBOG	19-SEP-95	30-SEP-95	<	2	UGG	0.0		
		BXZM0100	DVAS*246	OBOG	19-SEP-95	30-SEP-95	<	2	UGG	0.0		
		BXZM0100	DVAS*187	OBKG	13-SEP-95	26-SEP-95	<	3	UGG	40.0		
		DD570300	DVAS*431	OBLG	13-SEP-95	26-SEP-95	<	2	UGG	40.0		
		DDZM0100	DVAS*400	OBJG	11-SEP-95	28-SEP-95	<	2	UGG	0.0		
		DXZM0100	DVAS*289	OBJG	11-SEP-95	27-SEP-95	<	2	UGG	0.0		
		EK570405	DVAS*104	OBOG	19-SEP-95	29-SEP-95	<	.33	UGG	0.0		
		ED570405	DVAS*436	OBOG	19-SEP-95	29-SEP-95	<	.33	UGG	0.0		
		BAXX0215	NAP	BXAX0215	DVAS*217	ORTG	27-SEP-95	10-OCT-95	<	.037	UGG	0.0
				BDAK0215	DVAS*442	ORTG	27-SEP-95	10-OCT-95	<	.037	UGG	0.0
				BXZM0100	DVAS*435	OBOG	19-SEP-95	30-SEP-95	<	.2	UGG	0.0
				BXZM0100	DVAS*246	OBOG	19-SEP-95	30-SEP-95	<	.2	UGG	0.0
				DX570300	DVAS*187	OBKG	13-SEP-95	26-SEP-95	<	.4	UGG	66.7
				DD570300	DVAS*431	OBLG	13-SEP-95	26-SEP-95	<	.2	UGG	66.7
				DDZM0100	DVAS*289	OBJG	11-SEP-95	27-SEP-95	<	2	UGG	0.0
				DDZM0100	DVAS*400	OBJG	11-SEP-95	28-SEP-95	<	.2	UGG	0.0
				EK570405	DVAS*104	OBOG	19-SEP-95	29-SEP-95	<	.037	UGG	0.0
				ED570405	DVAS*436	OBOG	19-SEP-95	29-SEP-95	<	.037	UGG	0.0
LMI8	NB	BXAX0215	DVAS*217	ORTG	27-SEP-95	10-OCT-95	<	.045	UGG	0.0		
		BDAK0215	DVAS*442	ORTG	27-SEP-95	10-OCT-95	<	.045	UGG	0.0		
		BXZM0100	DVAS*246	OBOG	19-SEP-95	30-SEP-95	<	.2	UGG	0.0		
		BXZM0100	DVAS*435	OBOG	19-SEP-95	30-SEP-95	<	.2	UGG	0.0		
		DX570300	DVAS*187	OBKG	13-SEP-95	26-SEP-95	<	.4	UGG	66.7		
		DD570300	DVAS*431	OBLG	13-SEP-95	26-SEP-95	<	.2	UGG	66.7		
		DDZM0100	DVAS*400	OBJG	11-SEP-95	28-SEP-95	<	2	UGG	0.0		
		DXZM0100	DVAS*289	OBJG	11-SEP-95	27-SEP-95	<	.2	UGG	0.0		
		EK570405	DVAS*436	OBOG	19-SEP-95	29-SEP-95	<	.045	UGG	0.0		
		ED570405	DVAS*104	OBOG	19-SEP-95	29-SEP-95	<	.045	UGG	0.0		
		LMI8	NWMEA	BXAX0215	DVAS*217	ORTG	27-SEP-95	10-OCT-95	<	.14	UGG	0.0
				BDAK0215	DVAS*442	ORTG	27-SEP-95	10-OCT-95	<	.14	UGG	0.0

SAMPLE DUBLICATBS (NON-FILTERED SAMPLES)

[illegible]

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

IRDMIS		IRDMIS		IRDMIS									
Method	Field	Test	Sample	Lab	Lot	Sample	Analysis	Value		Units	RPD		
Code	Description	Name	Number	Number		Date	Date	<	<				
IRDMIS	Field	BY GC/MS	IRDMIS	PCB016	BXZM0100	DV4S*435	OBOG	19-SRP-95	30-SEP-95	<	7	UGG	0.0
				PCB016	BXZM0100	DV4S*246	OBOG	19-SRP-95	30-SEP-95	<	7	UGG	0.0
				PCB016	DX570300	DV4S*187	OBOG	13-SRP-95	26-SEP-95	<	10	UGG	35.3
				PCB016	DD570300	DV4S*431	OBLG	13-SRP-95	26-SEP-95	<	7	UGG	35.3
				PCB016	DDZM0100	DV4S*400	OBOG	11-SRP-95	28-SEP-95	<	7	UGG	0.0
				PCB016	DXZM0100	DV4S*289	OBOG	11-SRP-95	27-SEP-95	<	7	UGG	0.0
				PCB016	EX570405	DV4S*1104	OBOG	19-SRP-95	29-SEP-95	<	1.4	UGG	0.0
				PCB016	ED570405	DV4S*436	OBOG	19-SRP-95	29-SEP-95	<	1.4	UGG	0.0
				PCB221	BXAX0215	DV4S*217	ORTG	27-SRP-95	10-OCT-95	<	1.4	UGG	0.0
				PCB221	BDAK0215	DV4S*442	ORTG	27-SRP-95	10-OCT-95	<	1.4	UGG	0.0
				PCB221	BXZM0100	DV4S*246	OBOG	19-SRP-95	30-SEP-95	<	7	UGG	0.0
				PCB221	BXZM0100	DV4S*435	OBOG	19-SRP-95	30-SEP-95	<	7	UGG	0.0
				PCB221	DX570300	DV4S*187	OBOG	13-SRP-95	26-SEP-95	<	10	UGG	35.3
				PCB221	DD570300	DV4S*431	OBLG	13-SRP-95	26-SEP-95	<	7	UGG	35.3
				PCB221	DDZM0100	DV4S*400	OBOG	11-SRP-95	28-SEP-95	<	7	UGG	0.0
				PCB221	DXZM0100	DV4S*289	OBOG	11-SRP-95	27-SEP-95	<	7	UGG	0.0
IRDMIS	Field	BY GC/MS	IRDMIS	PCB221	EX570405	DV4S*1104	OBOG	19-SRP-95	29-SEP-95	<	1.4	UGG	0.0
				PCB221	ED570405	DV4S*436	OBOG	19-SRP-95	29-SEP-95	<	1.4	UGG	0.0
				PCB232	BXAX0215	DV4S*217	ORTG	27-SRP-95	10-OCT-95	<	1.4	UGG	0.0
				PCB232	BDAK0215	DV4S*442	ORTG	27-SRP-95	10-OCT-95	<	1.4	UGG	0.0
				PCB232	BXZM0100	DV4S*435	OBOG	19-SRP-95	30-SEP-95	<	7	UGG	0.0
				PCB232	BXZM0100	DV4S*246	OBOG	19-SRP-95	30-SEP-95	<	7	UGG	0.0
				PCB232	DX570300	DV4S*187	OBOG	13-SRP-95	26-SEP-95	<	10	UGG	35.3
				PCB232	DD570300	DV4S*431	OBLG	13-SRP-95	26-SEP-95	<	7	UGG	35.3
				PCB232	DDZM0100	DV4S*400	OBOG	11-SRP-95	28-SEP-95	<	7	UGG	0.0
				PCB232	DXZM0100	DV4S*289	OBOG	11-SRP-95	27-SEP-95	<	7	UGG	0.0
				PCB232	EX570405	DV4S*1104	OBOG	19-SRP-95	29-SEP-95	<	1.4	UGG	0.0
				PCB232	ED570405	DV4S*436	OBOG	19-SRP-95	29-SEP-95	<	1.4	UGG	0.0
				PCB242	BXAX0215	DV4S*217	ORTG	27-SRP-95	10-OCT-95	<	1.4	UGG	0.0
PCB242	BDAK0215	DV4S*442	ORTG	27-SRP-95	10-OCT-95	<	1.4	UGG	0.0				

SAMPLE DUBLICATES (NON-FILTERED SAMPLES)

Method Description	IRDMIS		Test Name	Field		Lab Number	Lot	Sample Date	Analysis		Value	Units	RPD						
	Code	Method		Sample Number	IRDMIS Field				Date	IRDMIS Field									
BNA'S IN SOIL BY GC/MS	LM18	PCB242	PCB242	BX2W0100	DV4S*246	OBOG	19-SHP-95	30-SHP-95	<	7	U3G	0.0							
BNA'S IN SOIL BY GC/MS	LM18	PCB242	PCB242	BX2W0100	DV4S*435	OBOG	19-SHP-95	30-SHP-95	<	7	U3G	0.0							
BNA'S IN SOIL BY GC/MS	LM18	PCB242	PCB242	DX570300	DV4S*187	ORKG	13-SHP-95	26-SHP-95	<	10	U3G	35.3							
BNA'S IN SOIL BY GC/MS	LM18	PCB242	PCB242	DD570300	DV4S*431	ORLG	13-SHP-95	26-SHP-95	<	7	U3G	35.3							
BNA'S IN SOIL BY GC/MS	LM18	PCB242	PCB242	DD2W0100	DV4S*400	ORJG	11-SHP-95	28-SHP-95	<	7	U3G	0.0							
BNA'S IN SOIL BY GC/MS	LM18	PCB242	PCB242	DX2W0100	DV4S*289	ORJG	11-SHP-95	27-SHP-95	<	7	U3G	0.0							
BNA'S IN SOIL BY GC/MS	LM18	PCB242	PCB242	EX570405	DV4S*104	OBOG	19-SHP-95	29-SHP-95	<	1.4	U3G	0.0							
BNA'S IN SOIL BY GC/MS	LM18	PCB242	PCB242	ED570405	DV4S*436	OBOG	19-SHP-95	29-SHP-95	<	1.4	U3G	0.0							
BNA'S IN SOIL BY GC/MS	LM18	PCB248	PCB248	BXAX0215	DV4S*217	ORTG	27-SHP-95	10-OCT-95	<	2	U3G	0.0							
BNA'S IN SOIL BY GC/MS	LM18	PCB248	PCB248	BDAX0215	DV4S*442	ORTG	27-SHP-95	10-OCT-95	<	2	U3G	0.0							
BNA'S IN SOIL BY GC/MS	LM18	PCB248	PCB248	BX2W0100	DV4S*435	OBOG	19-SHP-95	30-SHP-95	<	10	U3G	0.0							
BNA'S IN SOIL BY GC/MS	LM18	PCB248	PCB248	BX2W0100	DV4S*287	ORKG	13-SHP-95	26-SHP-95	<	20	U3G	66.7							
BNA'S IN SOIL BY GC/MS	LM18	PCB248	PCB248	DD570300	DV4S*431	ORLG	13-SHP-95	26-SHP-95	<	10	U3G	66.7							
BNA'S IN SOIL BY GC/MS	LM18	PCB248	PCB248	DD2W0100	DV4S*400	ORJG	11-SHP-95	28-SHP-95	<	10	U3G	0.0							
BNA'S IN SOIL BY GC/MS	LM18	PCB248	PCB248	DX2W0100	DV4S*289	ORJG	11-SHP-95	27-SHP-95	<	10	U3G	0.0							
BNA'S IN SOIL BY GC/MS	LM18	PCB248	PCB248	EX570405	DV4S*104	OBOG	19-SHP-95	29-SHP-95	<	2	U3G	0.0							
BNA'S IN SOIL BY GC/MS	LM18	PCB248	PCB248	ED570405	DV4S*436	OBOG	19-SHP-95	29-SHP-95	<	2	U3G	0.0							
BNA'S IN SOIL BY GC/MS	LM18	PCB254	PCB254	BXAX0215	DV4S*217	ORTG	27-SHP-95	10-OCT-95	<	2.3	U3G	0.0							
BNA'S IN SOIL BY GC/MS	LM18	PCB254	PCB254	BDAX0215	DV4S*442	ORTG	27-SHP-95	10-OCT-95	<	2.3	U3G	0.0							
BNA'S IN SOIL BY GC/MS	LM18	PCB254	PCB254	BX2W0100	DV4S*246	OBOG	19-SHP-95	30-SHP-95	<	10	U3G	0.0							
BNA'S IN SOIL BY GC/MS	LM18	PCB254	PCB254	BX2W0100	DV4S*435	OBOG	19-SHP-95	30-SHP-95	<	10	U3G	0.0							
BNA'S IN SOIL BY GC/MS	LM18	PCB254	PCB254	DX570300	DV4S*187	ORKG	13-SHP-95	26-SHP-95	<	20	U3G	66.7							
BNA'S IN SOIL BY GC/MS	LM18	PCB254	PCB254	DD570300	DV4S*431	ORLG	13-SHP-95	26-SHP-95	<	10	U3G	66.7							
BNA'S IN SOIL BY GC/MS	LM18	PCB254	PCB254	DD2W0100	DV4S*400	ORJG	11-SHP-95	28-SHP-95	<	10	U3G	0.0							
BNA'S IN SOIL BY GC/MS	LM18	PCB254	PCB254	DX2W0100	DV4S*289	ORJG	11-SHP-95	27-SHP-95	<	10	U3G	0.0							
BNA'S IN SOIL BY GC/MS	LM18	PCB254	PCB254	EX570405	DV4S*104	OBOG	19-SHP-95	29-SHP-95	<	2.3	U3G	0.0							
BNA'S IN SOIL BY GC/MS	LM18	PCB254	PCB254	ED570405	DV4S*436	OBOG	19-SHP-95	29-SHP-95	<	2.3	U3G	0.0							
BNA'S IN SOIL BY GC/MS	LM18	PCB260	PCB260	BXAX0215	DV4S*217	ORTG	27-SHP-95	10-OCT-95	<	2.6	U3G	0.0							
BNA'S IN SOIL BY GC/MS	LM18	PCB260	PCB260	BDAX0215	DV4S*442	ORTG	27-SHP-95	10-OCT-95	<	2.6	U3G	0.0							

Group 2, 7 sites

SAMPLE DUBLICATES (NON-FILTERED SAMPLES)

IRDMIS		IRDMIS									
Method	Field	Test	Sample	Lab	Lot	Sample	Analysis	Value	Units	RPD	
Code	Description	Name	Number	Number		Date	Date				
PCB260	BNA'S IN SOIL BY GC/MS	PCB260	BXZM0100	DV4S*435	OBOG	19-SRP-95	30-SRP-95	<	10	UGG	
	BNA'S IN SOIL BY GC/MS	PCB260	BXZM0100	DV4S*246	OBOG	19-SRP-95	30-SRP-95	<	10	UGG	
	BNA'S IN SOIL BY GC/MS	PCB260	BXZM0100	DV4S*187	OBLG	13-SRP-95	26-SRP-95	<	30	UGG	
	BNA'S IN SOIL BY GC/MS	PCB260	DD570300	DV4S*431	OBLG	13-SRP-95	26-SRP-95	<	10	UGG	
	BNA'S IN SOIL BY GC/MS	PCB260	DDZM0100	DV4S*400	OBLG	11-SRP-95	28-SRP-95	<	10	UGG	
	BNA'S IN SOIL BY GC/MS	PCB260	BXZM0100	DV4S*289	OBLG	11-SRP-95	27-SRP-95	<	10	UGG	
	BNA'S IN SOIL BY GC/MS	PCB260	EX570405	DV4S*1104	OBOG	19-SRP-95	29-SRP-95	<	2.6	UGG	
	BNA'S IN SOIL BY GC/MS	PCB260	ED570405	DV4S*436	OBOG	19-SRP-95	29-SRP-95	<	2.6	UGG	
	BNA'S IN SOIL BY GC/MS	PCP	BXAX0215	DV4S*217	OBTG	27-SRP-95	10-OCT-95	<	1.3	UGG	
	BNA'S IN SOIL BY GC/MS	PCP	BDAK0215	DV4S*442	OBTG	27-SRP-95	10-OCT-95	<	1.3	UGG	
PCP	BNA'S IN SOIL BY GC/MS	PCP	BXZM0100	DV4S*246	OBOG	19-SRP-95	30-SRP-95	<	6	UGG	
	BNA'S IN SOIL BY GC/MS	PCP	BXZM0100	DV4S*435	OBOG	19-SRP-95	30-SRP-95	<	6	UGG	
	BNA'S IN SOIL BY GC/MS	PCP	BXZM0100	DV4S*187	OBLG	13-SRP-95	26-SRP-95	<	10	UGG	
	BNA'S IN SOIL BY GC/MS	PCP	DD570300	DV4S*431	OBLG	13-SRP-95	26-SRP-95	<	6	UGG	
	BNA'S IN SOIL BY GC/MS	PCP	DDZM0100	DV4S*289	OBLG	11-SRP-95	27-SRP-95	<	6	UGG	
	BNA'S IN SOIL BY GC/MS	PCP	DDZM0100	DV4S*400	OBLG	11-SRP-95	28-SRP-95	<	6	UGG	
	BNA'S IN SOIL BY GC/MS	PCP	ED570405	DV4S*436	OBOG	19-SRP-95	29-SRP-95	<	1.3	UGG	
	BNA'S IN SOIL BY GC/MS	PCP	EX570405	DV4S*1104	OBOG	19-SRP-95	29-SRP-95	<	1.3	UGG	
	BNA'S IN SOIL BY GC/MS	PHANTR	BXAX0215	DV4S*217	OBTG	27-SRP-95	10-OCT-95	<	.033	UGG	
	BNA'S IN SOIL BY GC/MS	PHANTR	BDAK0215	DV4S*442	OBTG	27-SRP-95	10-OCT-95	<	.033	UGG	
PHANTR	BNA'S IN SOIL BY GC/MS	PHANTR	BXZM0100	DV4S*435	OBOG	19-SRP-95	30-SRP-95	<	.2	UGG	
	BNA'S IN SOIL BY GC/MS	PHANTR	BXZM0100	DV4S*246	OBOG	19-SRP-95	30-SRP-95	<	.2	UGG	
	BNA'S IN SOIL BY GC/MS	PHANTR	DD570300	DV4S*431	OBLG	13-SRP-95	26-SRP-95	<	3	UGG	
	BNA'S IN SOIL BY GC/MS	PHANTR	DX570300	DV4S*187	OBLG	13-SRP-95	26-SRP-95	<	2	UGG	
	BNA'S IN SOIL BY GC/MS	PHANTR	BXZM0100	DV4S*289	OBLG	11-SRP-95	27-SRP-95	<	.8	UGG	
	BNA'S IN SOIL BY GC/MS	PHANTR	DDZM0100	DV4S*400	OBLG	11-SRP-95	28-SRP-95	<	.6	UGG	
	BNA'S IN SOIL BY GC/MS	PHANTR	EX570405	DV4S*1104	OBOG	19-SRP-95	29-SRP-95	<	.033	UGG	
	BNA'S IN SOIL BY GC/MS	PHANTR	ED570405	DV4S*436	OBOG	19-SRP-95	29-SRP-95	<	.033	UGG	
	BNA'S IN SOIL BY GC/MS	PHENOL	BXAX0215	DV4S*217	OBTG	27-SRP-95	10-OCT-95	<	.11	UGG	
	BNA'S IN SOIL BY GC/MS	PHENOL	BDAK0215	DV4S*442	OBTG	27-SRP-95	10-OCT-95	<	.11	UGG	

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 2, 7 Sites

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

IRDMIS		IRDMIS		Field		Lab		Sample		Analysis		Value Units		RPD	
Method	Test	Sample	Field	Number	Lot	Number	Date	Number	Date	Date					
Code	Name	Number	Sample	Lab	Lot	Number	Date	Number	Date	Date					
Description															
BNA'S IN SOIL BY GC/MS	PHENOL	EX570405	EX570405	DV4S*216	OROG	19-SEP-95	30-SEP-95	<	.6	U3G	0.0				
BNA'S IN SOIL BY GC/MS	PHENOL	EX570405	EX570405	DV4S*435	OROG	19-SEP-95	30-SEP-95	<	.6	U3G	0.0				
BNA'S IN SOIL BY GC/MS	PHENOL	EX570405	EX570405	DV4S*431	OROG	13-SEP-95	26-SEP-95	<	.6	U3G	50.0				
BNA'S IN SOIL BY GC/MS	PHENOL	EX570405	EX570405	DV4S*187	OROG	13-SEP-95	26-SEP-95	<	.6	U3G	50.0				
BNA'S IN SOIL BY GC/MS	PHENOL	EX570405	EX570405	DV4S*289	OROG	11-SEP-95	27-SEP-95	<	.6	U3G	0.0				
BNA'S IN SOIL BY GC/MS	PHENOL	EX570405	EX570405	DV4S*400	OROG	11-SEP-95	28-SEP-95	<	.6	U3G	0.0				
BNA'S IN SOIL BY GC/MS	PHENOL	EX570405	EX570405	DV4S*436	OROG	19-SEP-95	29-SEP-95	<	.11	U3G	0.0				
BNA'S IN SOIL BY GC/MS	PHENOL	EX570405	EX570405	DV4S*104	OROG	19-SEP-95	29-SEP-95	<	.11	U3G	0.0				
BNA'S IN SOIL BY GC/MS	PHENOL	EX570405	EX570405	DV4S*217	OROG	27-SEP-95	10-OCT-95	<	.27	U3G	0.0				
BNA'S IN SOIL BY GC/MS	PHENOL	EX570405	EX570405	DV4S*442	OROG	27-SEP-95	10-OCT-95	<	.27	U3G	0.0				
BNA'S IN SOIL BY GC/MS	PHENOL	EX570405	EX570405	DV4S*435	OROG	19-SEP-95	30-SEP-95	<	.1	U3G	0.0				
BNA'S IN SOIL BY GC/MS	PHENOL	EX570405	EX570405	DV4S*187	OROG	13-SEP-95	26-SEP-95	<	.3	U3G	100.0				
BNA'S IN SOIL BY GC/MS	PHENOL	EX570405	EX570405	DV4S*431	OROG	13-SEP-95	26-SEP-95	<	.1	U3G	100.0				
BNA'S IN SOIL BY GC/MS	PHENOL	EX570405	EX570405	DV4S*400	OROG	11-SEP-95	28-SEP-95	<	.1	U3G	0.0				
BNA'S IN SOIL BY GC/MS	PHENOL	EX570405	EX570405	DV4S*289	OROG	11-SEP-95	27-SEP-95	<	.1	U3G	0.0				
BNA'S IN SOIL BY GC/MS	PHENOL	EX570405	EX570405	DV4S*104	OROG	19-SEP-95	29-SEP-95	<	.27	U3G	0.0				
BNA'S IN SOIL BY GC/MS	PHENOL	EX570405	EX570405	DV4S*436	OROG	19-SEP-95	29-SEP-95	<	.27	U3G	0.0				
BNA'S IN SOIL BY GC/MS	PHENOL	EX570405	EX570405	DV4S*217	OROG	27-SEP-95	10-OCT-95	<	.31	U3G	0.0				
BNA'S IN SOIL BY GC/MS	PHENOL	EX570405	EX570405	DV4S*442	OROG	27-SEP-95	10-OCT-95	<	.31	U3G	0.0				
BNA'S IN SOIL BY GC/MS	PHENOL	EX570405	EX570405	DV4S*246	OROG	19-SEP-95	30-SEP-95	<	.2	U3G	0.0				
BNA'S IN SOIL BY GC/MS	PHENOL	EX570405	EX570405	DV4S*435	OROG	19-SEP-95	30-SEP-95	<	.2	U3G	0.0				
BNA'S IN SOIL BY GC/MS	PHENOL	EX570405	EX570405	DV4S*187	OROG	13-SEP-95	26-SEP-95	<	.3	U3G	40.0				
BNA'S IN SOIL BY GC/MS	PHENOL	EX570405	EX570405	DV4S*431	OROG	13-SEP-95	26-SEP-95	<	.2	U3G	40.0				
BNA'S IN SOIL BY GC/MS	PHENOL	EX570405	EX570405	DV4S*400	OROG	11-SEP-95	28-SEP-95	<	.2	U3G	0.0				
BNA'S IN SOIL BY GC/MS	PHENOL	EX570405	EX570405	DV4S*289	OROG	11-SEP-95	27-SEP-95	<	.2	U3G	0.0				
BNA'S IN SOIL BY GC/MS	PHENOL	EX570405	EX570405	DV4S*104	OROG	19-SEP-95	29-SEP-95	<	.31	U3G	0.0				
BNA'S IN SOIL BY GC/MS	PHENOL	EX570405	EX570405	DV4S*436	OROG	19-SEP-95	29-SEP-95	<	.31	U3G	0.0				
BNA'S IN SOIL BY GC/MS	PHENOL	EX570405	EX570405	DV4S*217	OROG	27-SEP-95	10-OCT-95	<	.31	U3G	0.0				
BNA'S IN SOIL BY GC/MS	PHENOL	EX570405	EX570405	DV4S*442	OROG	27-SEP-95	10-OCT-95	<	.31	U3G	0.0				

SAMPLE DUBLICATS (NON-FILTERED SAMPLES)

IRDMIS Method Code	IRDMIS Field	Test Name	Method Description											Value	Units	RPD
			IRNA'S IN SOIL BY GC/MS	IRNA'S IN SOIL BY GC/MS	IRNA'S IN SOIL BY GC/MS	IRNA'S IN SOIL BY GC/MS	IRNA'S IN SOIL BY GC/MS	IRNA'S IN SOIL BY GC/MS	IRNA'S IN SOIL BY GC/MS	IRNA'S IN SOIL BY GC/MS	IRNA'S IN SOIL BY GC/MS	IRNA'S IN SOIL BY GC/MS	IRNA'S IN SOIL BY GC/MS			
LM18	PPDDT	RXZM0100	DVAS*435	OBQG	19-SRP-95	30-SRP-95	<	2	U3G	0.0						
LM18	PPDDT	RXZM0100	DVAS*246	OBQG	19-SRP-95	30-SRP-95	<	2	U3G	0.0						
LM18	PPDDT	DX570300	DVAS*187	OBKG	13-SRP-95	26-SRP-95	<	3	U3G	40.0						
LM18	PPDDT	DRN570300	DVAS*431	OBLG	13-SRP-95	26-SRP-95	<	2	U3G	40.0						
LM18	PPDDT	DDZM0100	DVAS*400	OBJG	11-SRP-95	28-SRP-95	<	2	U3G	0.0						
LM18	PPDDT	DKZM0100	DVAS*289	OBJG	11-SRP-95	27-SRP-95	<	2	U3G	0.0						
LM18	PPDDT	EX570405	DVAS*104	OBQG	19-SRP-95	29-SRP-95	<	.31	U3G	0.0						
LM18	PPDDT	ED570405	DVAS*436	OBQG	19-SRP-95	29-SRP-95	<	.31	U3G	0.0						
LM18	PYR	RXAX0215	DVAS*217	OBTG	27-SRP-95	10-OCT-95	<	.033	U3G	0.0						
LM18	PYR	BDAX0215	DVAS*442	OBTG	27-SRP-95	10-OCT-95	<	.033	U3G	0.0						
LM18	PYR	RXZM0100	DVAS*246	OBQG	19-SRP-95	30-SRP-95	<	.2	U3G	0.0						
LM18	PYR	RXZM0100	DVAS*435	OBQG	19-SRP-95	30-SRP-95	<	.2	U3G	0.0						
LM18	PYR	DD570300	DVAS*431	OBLG	13-SRP-95	26-SRP-95	<	6	U3G	18.2						
LM18	PYR	DK570300	DVAS*187	OBKG	13-SRP-95	26-SRP-95	<	5	U3G	18.2						
LM18	PYR	DKZM0100	DVAS*289	OBJG	11-SRP-95	27-SRP-95	<	2	U3G	66.7						
LM18	PYR	DDZM0100	DVAS*400	OBJG	11-SRP-95	28-SRP-95	<	1	U3G	66.7						
LM18	PYR	ED570405	DVAS*436	OBQG	19-SRP-95	29-SRP-95	<	.033	U3G	0.0						
LM18	PYR	EX570405	DVAS*104	OBQG	19-SRP-95	29-SRP-95	<	.033	U3G	0.0						
LM18	SMOJL	DD570300	DVAS*431	OBLG	13-SRP-95	26-SRP-95	<	200	U3G	0.0						
LM18	SMOJL	DX570300	DVAS*187	OBKG	13-SRP-95	26-SRP-95	<	200	U3G	0.0						
LM18	TKPHEN	RXAX0215	DVAS*217	OBTG	27-SRP-95	10-OCT-95	<	2.6	U3G	0.0						
LM18	TKPHEN	BDAX0215	DVAS*442	OBTG	27-SRP-95	10-OCT-95	<	2.6	U3G	0.0						
LM18	TKPHEN	RXZM0100	DVAS*435	OBQG	19-SRP-95	30-SRP-95	<	10	U3G	0.0						
LM18	TKPHEN	RXZM0100	DVAS*246	OBQG	19-SRP-95	30-SRP-95	<	10	U3G	0.0						
LM18	TKPHEN	DX570300	DVAS*187	OBKG	13-SRP-95	26-SRP-95	<	30	U3G	100.0						
LM18	TKPHEN	DD570300	DVAS*431	OBLG	13-SRP-95	26-SRP-95	<	10	U3G	100.0						
LM18	TKPHEN	DDZM0100	DVAS*400	OBJG	11-SRP-95	28-SRP-95	<	10	U3G	0.0						
LM18	TKPHEN	DKZM0100	DVAS*289	OBJG	11-SRP-95	27-SRP-95	<	10	U3G	0.0						
LM18	TKPHEN	ED570405	DVAS*104	OBQG	19-SRP-95	29-SRP-95	<	2.6	U3G	0.0						
LM18	TKPHEN	EX570405	DVAS*436	OBQG	19-SRP-95	29-SRP-95	<	2.6	U3G	0.0						

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 2, 7 Sites

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	<	Value	Units	RPD
ENA'S IN SOIL BY GC/MS	LM18	UNK601	BXZM0100	DV4S*246	OBOG	19-SEP-95	30-SEP-95		4	UGG	66.7
ENA'S IN SOIL BY GC/MS	LM18	UNK601	BXZM0100	DV4S*435	OBOG	19-SEP-95	30-SEP-95		2	UGG	66.7
ENA'S IN SOIL BY GC/MS	LM18	UNK603	BXZM0100	DV4S*246	OBOG	19-SEP-95	30-SEP-95		500	UGG	50.0
ENA'S IN SOIL BY GC/MS	LM18	UNK603	BXZM0100	DV4S*435	OBOG	19-SEP-95	30-SEP-95		300	UGG	50.0
VOC'S IN SOIL BY GC/MS	LM19	111TCE	BXAX0215	DV4S*217	YGZG	27-SEP-95	02-OCT-95	<	.0044	UGG	0.0
VOC'S IN SOIL BY GC/MS	LM19	111TCE	BXAX0215	DV4S*442	YGZG	27-SEP-95	03-OCT-95	<	.0044	UGG	0.0
VOC'S IN SOIL BY GC/MS	LM19	111TCE	BXZM0100	DV4S*246	YGZG	19-SEP-95	26-SEP-95	<	.0044	UGG	0.0
VOC'S IN SOIL BY GC/MS	LM19	111TCE	BXZM0100	DV4S*435	YGZG	19-SEP-95	29-SEP-95	<	.0044	UGG	0.0
VOC'S IN SOIL BY GC/MS	LM19	111TCE	BXZM0100	DV4S*187	YGZG	13-SEP-95	19-SEP-95	<	.0044	UGG	127.9
VOC'S IN SOIL BY GC/MS	LM19	111TCE	DD570300	DV4S*431	YGZG	13-SEP-95	20-SEP-95	<	.02	UGG	127.9
VOC'S IN SOIL BY GC/MS	LM19	111TCE	DDZM0100	DV4S*400	YGZG	11-SEP-95	19-SEP-95	<	.0044	UGG	0.0
VOC'S IN SOIL BY GC/MS	LM19	111TCE	DDZM0100	DV4S*289	YGZG	11-SEP-95	18-SEP-95	<	.0044	UGG	0.0
VOC'S IN SOIL BY GC/MS	LM19	111TCE	EX570405	DV4S*104	YGZG	19-SEP-95	26-SEP-95	<	.0044	UGG	0.0
VOC'S IN SOIL BY GC/MS	LM19	111TCE	ED570405	DV4S*436	YGZG	19-SEP-95	27-SEP-95	<	.0044	UGG	0.0
VOC'S IN SOIL BY GC/MS	LM19	112TCE	BXAX0215	DV4S*442	YGZG	27-SEP-95	03-OCT-95	<	.0054	UGG	0.0
VOC'S IN SOIL BY GC/MS	LM19	112TCE	BXAX0215	DV4S*217	YGZG	27-SEP-95	02-OCT-95	<	.0054	UGG	0.0
VOC'S IN SOIL BY GC/MS	LM19	112TCE	BXZM0100	DV4S*435	YGZG	19-SEP-95	29-SEP-95	<	.0054	UGG	0.0
VOC'S IN SOIL BY GC/MS	LM19	112TCE	BXZM0100	DV4S*246	YGZG	19-SEP-95	26-SEP-95	<	.0054	UGG	0.0
VOC'S IN SOIL BY GC/MS	LM19	112TCE	DX570300	DV4S*187	YGZG	13-SEP-95	19-SEP-95	<	.0054	UGG	139.0
VOC'S IN SOIL BY GC/MS	LM19	112TCE	DD570300	DV4S*431	YGZG	13-SEP-95	20-SEP-95	<	.03	UGG	139.0
VOC'S IN SOIL BY GC/MS	LM19	112TCE	DDZM0100	DV4S*400	YGZG	11-SEP-95	19-SEP-95	<	.0054	UGG	0.0
VOC'S IN SOIL BY GC/MS	LM19	112TCE	DDZM0100	DV4S*289	YGZG	11-SEP-95	18-SEP-95	<	.0054	UGG	0.0
VOC'S IN SOIL BY GC/MS	LM19	112TCE	ED570405	DV4S*436	YGZG	19-SEP-95	27-SEP-95	<	.0054	UGG	0.0
VOC'S IN SOIL BY GC/MS	LM19	112TCE	EX570405	DV4S*104	YGZG	19-SEP-95	26-SEP-95	<	.0054	UGG	0.0
VOC'S IN SOIL BY GC/MS	LM19	11DCB	BXAX0215	DV4S*217	YGZG	27-SEP-95	02-OCT-95	<	.0039	UGG	0.0
VOC'S IN SOIL BY GC/MS	LM19	11DCB	BXAX0215	DV4S*442	YGZG	27-SEP-95	03-OCT-95	<	.0039	UGG	0.0
VOC'S IN SOIL BY GC/MS	LM19	11DCB	BXZM0100	DV4S*246	YGZG	19-SEP-95	26-SEP-95	<	.0039	UGG	0.0

SAMPLE DUBLICATES (NON-FILTERED SAMPLES)

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SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

IRDMIS Field	Method Code	Test Name	Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value	Units	RPD
IRDMIS Field	LM19	12DCLP	DX2W0100	DV4S*435	YGYG	19-SEP-95	29-SEP-95	.0017	UGG	0.0
	LM19	12DCLP	DX570300	DV4S*187	YGUG	13-SEP-95	19-SEP-95	.0017	UGG	121.8
	LM19	12DCLP	DD570300	DV4S*431	YGVG	13-SEP-95	20-SEP-95	.0007	UGG	121.8
	LM19	12DCLP	DDZM0100	DV4S*400	YGSG	11-SEP-95	19-SEP-95	.0017	UGG	0.0
	LM19	12DCLP	DX2W0100	DV4S*289	YGSG	11-SEP-95	18-SEP-95	.0017	UGG	0.0
	LM19	12DCLP	ED570405	DV4S*436	YGMG	19-SEP-95	27-SEP-95	.0017	UGG	0.0
	LM19	12DCLP	EX570405	DV4S*104	YMG	19-SEP-95	26-SEP-95	.0017	UGG	0.0
	LM19	12DCLP	BDAX0215	DV4S*442	YGMH	27-SEP-95	03-OCT-95	.0029	UGG	0.0
	LM19	12DCLP	EXAX0215	DV4S*217	YGZG	27-SEP-95	02-OCT-95	.0029	UGG	0.0
	LM19	12DCLP	EXZM0100	DV4S*435	YGYG	19-SEP-95	29-SEP-95	.0029	UGG	0.0
IRDMIS Field	LM19	12DCLP	EXZM0100	DV4S*246	YMG	19-SEP-95	26-SEP-95	.0029	UGG	110.1
	LM19	12DCLP	DD570300	DV4S*187	YGUG	13-SEP-95	19-SEP-95	.0029	UGG	110.1
	LM19	12DCLP	DD570300	DV4S*431	YGVG	13-SEP-95	20-SEP-95	.01	UGG	110.1
	LM19	12DCLP	DDZM0100	DV4S*400	YGSG	11-SEP-95	19-SEP-95	.0029	UGG	0.0
	LM19	12DCLP	DX2W0100	DV4S*289	YGSG	11-SEP-95	18-SEP-95	.0029	UGG	0.0
	LM19	12DCLP	EX570405	DV4S*104	YMG	19-SEP-95	26-SEP-95	.0029	UGG	0.0
	LM19	12DCLP	ED570405	DV4S*436	YMG	19-SEP-95	27-SEP-95	.0029	UGG	0.0
	LM19	2CLPVE	BDAX0215	DV4S*217	YGZG	27-SEP-95	02-OCT-95	.01	UGG	0.0
	LM19	2CLPVE	BDAX0215	DV4S*442	YGMH	27-SEP-95	03-OCT-95	.01	UGG	0.0
	LM19	2CLPVE	EXZM0100	DV4S*246	YMG	19-SEP-95	26-SEP-95	.01	UGG	0.0
IRDMIS Field	LM19	2CLPVE	EXZM0100	DV4S*435	YGYG	19-SEP-95	29-SEP-95	.01	UGG	0.0
	LM19	2CLPVE	DD570300	DV4S*431	YGVG	13-SEP-95	20-SEP-95	.05	UGG	133.3
	LM19	2CLPVE	DD570300	DV4S*187	YGUG	13-SEP-95	19-SEP-95	.01	UGG	133.3
	LM19	2CLPVE	DDZM0100	DV4S*400	YGSG	11-SEP-95	19-SEP-95	.01	UGG	0.0
	LM19	2CLPVE	DX2W0100	DV4S*289	YGSG	11-SEP-95	18-SEP-95	.01	UGG	0.0
	LM19	2CLPVE	ED570405	DV4S*436	YMG	19-SEP-95	27-SEP-95	.01	UGG	0.0
	LM19	2CLPVE	EX570405	DV4S*104	YMG	19-SEP-95	26-SEP-95	.01	UGG	0.0
	LM19	ACET	BDAX0215	DV4S*442	YGMH	27-SEP-95	03-OCT-95	.017	UGG	0.0
	LM19	ACET	EXAX0215	DV4S*217	YGZG	27-SEP-95	02-OCT-95	.017	UGG	0.0
	LM19	ACET	EXZM0100	DV4S*246	YMG	19-SEP-95	26-SEP-95	.017	UGG	0.0

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

IRDMIS		IRDMIS										IRDMIS	
Field	Sample	Test	Method	Method Description	Number	Lab	Lot	Sample	Analysis	Value	Units	RPD	
	Number	Name	Code			Number		Date	Date				
LM19	BXZM0100	ACET	LM19	VOC'S IN SOIL BY GC/MS	DV4S*435	YGYG		13-SEP-95	29-SEP-95	.017	UGG	0.0	
	DX570300	ACET	LM19	VOC'S IN SOIL BY GC/MS	DV4S*187	YGUG		13-SEP-95	19-SEP-95	.017	UGG	196.6	
	DD570300	ACET	LM19	VOC'S IN SOIL BY GC/MS	DV4S*431	YGUG		13-SEP-95	20-SEP-95	2	UGG	196.6	
	BDZM0100	ACET	LM19	VOC'S IN SOIL BY GC/MS	DV4S*400	YGSQ		11-SEP-95	19-SEP-95	.017	UGG	0.0	
	DXZM0100	ACET	LM19	VOC'S IN SOIL BY GC/MS	DV4S*289	YGSQ		11-SEP-95	18-SEP-95	.017	UGG	0.0	
	RD570405	ACET	LM19	VOC'S IN SOIL BY GC/MS	DV4S*436	YQWG		19-SEP-95	27-SEP-95	.017	UGG	0.0	
	EX570405	ACET	LM19	VOC'S IN SOIL BY GC/MS	DV4S*104	YQWG		19-SEP-95	26-SEP-95	.017	UGG	0.0	
	LM19	BXAX0215	ACROLN	LM19	VOC'S IN SOIL BY GC/MS	DV4S*217	YGZG		27-SEP-95	02-OCT-95	.1	UGG	0.0
		BDAX0215	ACROLN	LM19	VOC'S IN SOIL BY GC/MS	DV4S*442	YQNH		27-SEP-95	03-OCT-95	.1	UGG	0.0
		BXZM0100	ACROLN	LM19	VOC'S IN SOIL BY GC/MS	DV4S*246	YQWG		19-SEP-95	26-SEP-95	.1	UGG	0.0
		BXZM0100	ACROLN	LM19	VOC'S IN SOIL BY GC/MS	DV4S*435	YGYG		19-SEP-95	29-SEP-95	.1	UGG	0.0
		DD570300	ACROLN	LM19	VOC'S IN SOIL BY GC/MS	DV4S*431	YGVG		13-SEP-95	20-SEP-95	.5	UGG	133.3
		DX570300	ACROLN	LM19	VOC'S IN SOIL BY GC/MS	DV4S*187	YGXG		13-SEP-95	19-SEP-95	.1	UGG	0.0
		DDZM0100	ACROLN	LM19	VOC'S IN SOIL BY GC/MS	DV4S*400	YGSQ		11-SEP-95	19-SEP-95	.1	UGG	0.0
		DXZM0100	ACROLN	LM19	VOC'S IN SOIL BY GC/MS	DV4S*289	YGSQ		11-SEP-95	18-SEP-95	.1	UGG	0.0
		RD570405	ACROLN	LM19	VOC'S IN SOIL BY GC/MS	DV4S*436	YQWG		19-SEP-95	27-SEP-95	.1	UGG	0.0
		EX570405	ACROLN	LM19	VOC'S IN SOIL BY GC/MS	DV4S*104	YQWG		19-SEP-95	26-SEP-95	.1	UGG	0.0
	LM19	BDAX0215	ACRYLO	LM19	VOC'S IN SOIL BY GC/MS	DV4S*442	YQNH		27-SEP-95	03-OCT-95	.1	UGG	0.0
		BXAX0215	ACRYLO	LM19	VOC'S IN SOIL BY GC/MS	DV4S*217	YGZG		27-SEP-95	02-OCT-95	.1	UGG	0.0
BXZM0100		ACRYLO	LM19	VOC'S IN SOIL BY GC/MS	DV4S*435	YGYG		19-SEP-95	29-SEP-95	.1	UGG	0.0	
BXZM0100		ACRYLO	LM19	VOC'S IN SOIL BY GC/MS	DV4S*246	YQWG		19-SEP-95	26-SEP-95	.1	UGG	0.0	
DD570300		ACRYLO	LM19	VOC'S IN SOIL BY GC/MS	DV4S*431	YGVG		13-SEP-95	20-SEP-95	.5	UGG	133.3	
DX570300		ACRYLO	LM19	VOC'S IN SOIL BY GC/MS	DV4S*187	YGXG		13-SEP-95	19-SEP-95	.1	UGG	133.3	
DDZM0100		ACRYLO	LM19	VOC'S IN SOIL BY GC/MS	DV4S*400	YGSQ		11-SEP-95	19-SEP-95	.1	UGG	0.0	
DXZM0100		ACRYLO	LM19	VOC'S IN SOIL BY GC/MS	DV4S*289	YGSQ		11-SEP-95	18-SEP-95	.1	UGG	0.0	
EX570405		ACRYLO	LM19	VOC'S IN SOIL BY GC/MS	DV4S*104	YQWG		19-SEP-95	26-SEP-95	.1	UGG	0.0	
ED570405		ACRYLO	LM19	VOC'S IN SOIL BY GC/MS	DV4S*436	YQWG		19-SEP-95	27-SEP-95	.1	UGG	0.0	
LM19	BDCLM	BRDCLM	LM19	VOC'S IN SOIL BY GC/MS	DV4S*442	YQNH		27-SEP-95	03-OCT-95	.0029	UGG	0.0	
	BXAX0215	BRDCLM	LM19	VOC'S IN SOIL BY GC/MS	DV4S*217	YGZG		27-SEP-95	02-OCT-95	.0029	UGG	0.0	
	EXZM0100	BRDCLM	LM19	VOC'S IN SOIL BY GC/MS	DV4S*246	YQWG		19-SEP-95	26-SEP-95	.0029	UGG	0.0	

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

IRDMIS		IRDMIS		Method Description										IRDMIS		Field		Test		Sample		Analysis		Value		Units		RPD	
Method	Code											Sample	Number	Lot	Date	Date													
LM19	BY GC/MS	VOC'S	IN	SOIL	BY GC/MS	BRDCIM	BX2W0100	DV4S*435	YGVG	19-SRP-95	29-SRP-95	<	.0029	UGG	0.0														
LM19	BY GC/MS	VOC'S	IN	SOIL	BY GC/MS	BRDCIM	DX570300	DV4S*187	YGVG	13-SRP-95	19-SRP-95	<	.0029	UGG	110.1														
LM19	BY GC/MS	VOC'S	IN	SOIL	BY GC/MS	BRDCIM	DD570300	DV4S*431	YGVG	13-SRP-95	20-SRP-95	<	.01	UGG	110.1														
LM19	BY GC/MS	VOC'S	IN	SOIL	BY GC/MS	BRDCIM	DD2W0100	DV4S*400	YGVG	11-SRP-95	19-SRP-95	<	.0029	UGG	0.0														
LM19	BY GC/MS	VOC'S	IN	SOIL	BY GC/MS	BRDCIM	DX2W0100	DV4S*289	YGVG	11-SRP-95	18-SRP-95	<	.0029	UGG	0.0														
LM19	BY GC/MS	VOC'S	IN	SOIL	BY GC/MS	BRDCIM	ED570405	DV4S*436	YGVG	19-SRP-95	27-SRP-95	<	.0029	UGG	0.0														
LM19	BY GC/MS	VOC'S	IN	SOIL	BY GC/MS	BRDCIM	EX570405	DV4S*104	YGVG	19-SRP-95	26-SRP-95	<	.0029	UGG	0.0														
LM19	BY GC/MS	VOC'S	IN	SOIL	BY GC/MS	C13DCP	BXAX0215	DV4S*217	YGZG	27-SRP-95	02-OCT-95	<	.0032	UGG	0.0														
LM19	BY GC/MS	VOC'S	IN	SOIL	BY GC/MS	C13DCP	BDXA0215	DV4S*442	YGAH	27-SRP-95	02-OCT-95	<	.0032	UGG	0.0														
LM19	BY GC/MS	VOC'S	IN	SOIL	BY GC/MS	C13DCP	DX2W0100	DV4S*246	YGVG	19-SRP-95	26-SRP-95	<	.0032	UGG	0.0														
LM19	BY GC/MS	VOC'S	IN	SOIL	BY GC/MS	C13DCP	EX2W0100	DV4S*435	YGVG	19-SRP-95	29-SRP-95	<	.0032	UGG	0.0														
LM19	BY GC/MS	VOC'S	IN	SOIL	BY GC/MS	C13DCP	DD570300	DV4S*187	YGVG	13-SRP-95	19-SRP-95	<	.0032	UGG	144.8														
LM19	BY GC/MS	VOC'S	IN	SOIL	BY GC/MS	C13DCP	DD570300	DV4S*431	YGVG	13-SRP-95	20-SRP-95	<	.02	UGG	144.8														
LM19	BY GC/MS	VOC'S	IN	SOIL	BY GC/MS	C13DCP	DD2W0100	DV4S*400	YGVG	11-SRP-95	19-SRP-95	<	.0032	UGG	0.0														
LM19	BY GC/MS	VOC'S	IN	SOIL	BY GC/MS	C13DCP	DX2W0100	DV4S*289	YGVG	11-SRP-95	18-SRP-95	<	.0032	UGG	0.0														
LM19	BY GC/MS	VOC'S	IN	SOIL	BY GC/MS	C13DCP	ED570405	DV4S*436	YGVG	19-SRP-95	27-SRP-95	<	.0032	UGG	0.0														
LM19	BY GC/MS	VOC'S	IN	SOIL	BY GC/MS	C13DCP	EX570405	DV4S*104	YGVG	19-SRP-95	26-SRP-95	<	.0032	UGG	0.0														
LM19	BY GC/MS	VOC'S	IN	SOIL	BY GC/MS	C2AVE	BXAX0215	DV4S*442	YGAH	27-SRP-95	03-OCT-95	<	.032	UGG	0.0														
LM19	BY GC/MS	VOC'S	IN	SOIL	BY GC/MS	C2AVE	BXAX0215	DV4S*217	YGZG	27-SRP-95	02-OCT-95	<	.032	UGG	0.0														
LM19	BY GC/MS	VOC'S	IN	SOIL	BY GC/MS	C2AVE	EX2W0100	DV4S*246	YGVG	19-SRP-95	26-SRP-95	<	.032	UGG	0.0														
LM19	BY GC/MS	VOC'S	IN	SOIL	BY GC/MS	C2AVE	EX2W0100	DV4S*435	YGVG	19-SRP-95	29-SRP-95	<	.032	UGG	0.0														
LM19	BY GC/MS	VOC'S	IN	SOIL	BY GC/MS	C2AVE	DD570300	DV4S*187	YGVG	13-SRP-95	19-SRP-95	<	.032	UGG	144.8														
LM19	BY GC/MS	VOC'S	IN	SOIL	BY GC/MS	C2AVE	DD570300	DV4S*431	YGVG	13-SRP-95	20-SRP-95	<	.2	UGG	144.8														
LM19	BY GC/MS	VOC'S	IN	SOIL	BY GC/MS	C2AVE	DD2W0100	DV4S*400	YGVG	11-SRP-95	19-SRP-95	<	.032	UGG	0.0														
LM19	BY GC/MS	VOC'S	IN	SOIL	BY GC/MS	C2AVE	DX2W0100	DV4S*289	YGVG	11-SRP-95	18-SRP-95	<	.032	UGG	0.0														
LM19	BY GC/MS	VOC'S	IN	SOIL	BY GC/MS	C2AVE	EX570405	DV4S*104	YGVG	19-SRP-95	26-SRP-95	<	.032	UGG	0.0														
LM19	BY GC/MS	VOC'S	IN	SOIL	BY GC/MS	C2AVE	ED570405	DV4S*436	YGVG	19-SRP-95	27-SRP-95	<	.032	UGG	0.0														
LM19	BY GC/MS	VOC'S	IN	SOIL	BY GC/MS	C2H3CL	BXAX0215	DV4S*217	YGZG	27-SRP-95	02-OCT-95	<	.0062	UGG	0.0														
LM19	BY GC/MS	VOC'S	IN	SOIL	BY GC/MS	C2H3CL	BDXA0215	DV4S*442	YGAH	27-SRP-95	03-OCT-95	<	.0062	UGG	0.0														
LM19	BY GC/MS	VOC'S	IN	SOIL	BY GC/MS	C2H3CL	EX2W0100	DV4S*435	YGVG	19-SRP-95	29-SRP-95	<	.0062	UGG	0.0														

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

IRDMIS		IRDMIS	
Method	Field	Test	Sample
Code	Name	Number	Date
Method Description			
VOC'S IN SOIL BY GC/MS	C2H3CL	BXZM0100	DV4S*246 YGMG
VOC'S IN SOIL BY GC/MS	C2H3CL	DX570300	DV4S*187 YGVG
VOC'S IN SOIL BY GC/MS	C2H3CL	DD570300	DV4S*431 YGVG
VOC'S IN SOIL BY GC/MS	C2H3CL	DDZM0100	DV4S*400 YGSB
VOC'S IN SOIL BY GC/MS	C2H3CL	DXZM0100	DV4S*289 YGSB
VOC'S IN SOIL BY GC/MS	C2H3CL	ED570405	DV4S*436 YGMG
VOC'S IN SOIL BY GC/MS	C2H3CL	EX570405	DV4S*104 YGMG
VOC'S IN SOIL BY GC/MS	C2H5CL	BXAX0215	DV4S*217 YGZG
VOC'S IN SOIL BY GC/MS	C2H5CL	BDAK0215	DV4S*442 YGAH
VOC'S IN SOIL BY GC/MS	C2H5CL	RXZM0100	DV4S*435 YGYG
VOC'S IN SOIL BY GC/MS	C2H5CL	BXZM0100	DV4S*435 YGYG
VOC'S IN SOIL BY GC/MS	C2H5CL	DX570300	DV4S*187 YGVG
VOC'S IN SOIL BY GC/MS	C2H5CL	DDZM0100	DV4S*400 YGSB
VOC'S IN SOIL BY GC/MS	C2H5CL	DXZM0100	DV4S*289 YGSB
VOC'S IN SOIL BY GC/MS	C2H5CL	EX570405	DV4S*104 YGMG
VOC'S IN SOIL BY GC/MS	C2H5CL	ED570405	DV4S*436 YGMG
VOC'S IN SOIL BY GC/MS	C6H6	BXAX0215	DV4S*217 YGZG
VOC'S IN SOIL BY GC/MS	C6H6	BDAK0215	DV4S*442 YGAH
VOC'S IN SOIL BY GC/MS	C6H6	RXZM0100	DV4S*435 YGYG
VOC'S IN SOIL BY GC/MS	C6H6	BXZM0100	DV4S*436 YGMG
VOC'S IN SOIL BY GC/MS	C6H6	DX570300	DV4S*187 YGVG
VOC'S IN SOIL BY GC/MS	C6H6	DDZM0100	DV4S*400 YGSB
VOC'S IN SOIL BY GC/MS	C6H6	DXZM0100	DV4S*289 YGSB
VOC'S IN SOIL BY GC/MS	C6H6	ED570405	DV4S*436 YGMG
VOC'S IN SOIL BY GC/MS	C6H6	EX570405	DV4S*104 YGMG
VOC'S IN SOIL BY GC/MS	CCL3P	BXAX0215	DV4S*442 YGAH
VOC'S IN SOIL BY GC/MS	CCL3P	BXAX0215	DV4S*217 YGZG
VOC'S IN SOIL BY GC/MS	CCL3P	RXZM0100	DV4S*435 YGYG

SAMPLE DUBLICATES (NON-FILTERED SAMPLES)

SAMPLE DUBLICATES (NON-FILTERED SAMPLES)

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SAMPLE DUBLICATS (NON-FILTERED SAMPLES)

IRDMIS Field	Method	Test Name	Method Description			Lab Number	Lot	Sample Date	Analysis Date	<	Value	Units	RPD
IRDMIS Field	LM19	CHCL3	VOC'S IN SOIL BY GC/MS	LM19	CHCL3	DV4S*435 YGVG	13-SRP-95	23-SEP-95	<	.00087	UGG	0.0	
	LM19	CHCL3	VOC'S IN SOIL BY GC/MS	LM19	CHCL3	DV4S*187 YGVG	13-SRP-95	13-SEP-95	<	.00087	UGG	128.5	
	LM19	CHCL3	VOC'S IN SOIL BY GC/MS	LM19	CHCL3	DV4S*431 YGVG	13-SRP-95	20-SEP-95	<	.004	UGG	128.5	
	LM19	CHCL3	VOC'S IN SOIL BY GC/MS	LM19	CHCL3	DV4S*289 YGSX	11-SRP-95	18-SEP-95	<	.00087	UGG	0.0	
	LM19	CHCL3	VOC'S IN SOIL BY GC/MS	LM19	CHCL3	DV4S*400 YGSX	11-SRP-95	13-SEP-95	<	.00087	UGG	0.0	
	LM19	CHCL3	VOC'S IN SOIL BY GC/MS	LM19	CHCL3	DV4S*436 YGWG	19-SRP-95	27-SEP-95	<	.00087	UGG	0.0	
	LM19	CHCL3	VOC'S IN SOIL BY GC/MS	LM19	CHCL3	DV4S*104 YGWG	19-SRP-95	26-SEP-95	<	.00087	UGG	0.0	
	LM19	CL2BZ	VOC'S IN SOIL BY GC/MS	LM19	CL2BZ	DV4S*217 YGZG	27-SRP-95	03-OCT-95	<	.1	UGG	0.0	
	LM19	CL2BZ	VOC'S IN SOIL BY GC/MS	LM19	CL2BZ	DV4S*442 YGAH	27-SRP-95	03-OCT-95	<	.1	UGG	0.0	
	LM19	CL2BZ	VOC'S IN SOIL BY GC/MS	LM19	CL2BZ	DV4S*246 YGMW	19-SRP-95	26-SEP-95	<	.1	UGG	0.0	
	LM19	CL2BZ	VOC'S IN SOIL BY GC/MS	LM19	CL2BZ	DV4S*435 YGVG	13-SRP-95	29-SEP-95	<	.1	UGG	0.0	
	LM19	CL2BZ	VOC'S IN SOIL BY GC/MS	LM19	CL2BZ	DV4S*431 YGVG	13-SRP-95	20-SEP-95	<	.5	UGG	133.3	
	LM19	CL2BZ	VOC'S IN SOIL BY GC/MS	LM19	CL2BZ	DV4S*400 YGSX	11-SRP-95	19-SRP-95	<	.1	UGG	0.0	
	LM19	CL2BZ	VOC'S IN SOIL BY GC/MS	LM19	CL2BZ	DV4S*289 YGSX	11-SRP-95	19-SRP-95	<	.1	UGG	0.0	
	LM19	CL2BZ	VOC'S IN SOIL BY GC/MS	LM19	CL2BZ	DV4S*436 YGWG	19-SRP-95	27-SEP-95	<	.1	UGG	0.0	
	LM19	CL2BZ	VOC'S IN SOIL BY GC/MS	LM19	CL2BZ	DV4S*104 YGWG	19-SRP-95	26-SEP-95	<	.1	UGG	0.0	
	LM19	CLC6HS	VOC'S IN SOIL BY GC/MS	LM19	CLC6HS	DV4S*442 YGAH	27-SRP-95	03-OCT-95	<	.00086	UGG	0.0	
	LM19	CLC6HS	VOC'S IN SOIL BY GC/MS	LM19	CLC6HS	DV4S*217 YGZG	27-SRP-95	02-OCT-95	<	.00086	UGG	0.0	
LM19	CLC6HS	VOC'S IN SOIL BY GC/MS	LM19	CLC6HS	DV4S*246 YGMW	19-SRP-95	26-SEP-95	<	.00086	UGG	0.0		
LM19	CLC6HS	VOC'S IN SOIL BY GC/MS	LM19	CLC6HS	DV4S*435 YGVG	13-SRP-95	29-SEP-95	<	.00086	UGG	0.0		
LM19	CLC6HS	VOC'S IN SOIL BY GC/MS	LM19	CLC6HS	DV4S*431 YGVG	13-SRP-95	20-SEP-95	<	.004	UGG	129.2		
LM19	CLC6HS	VOC'S IN SOIL BY GC/MS	LM19	CLC6HS	DV4S*400 YGSX	11-SRP-95	19-SRP-95	<	.00086	UGG	0.0		
LM19	CLC6HS	VOC'S IN SOIL BY GC/MS	LM19	CLC6HS	DV4S*289 YGSX	11-SRP-95	19-SRP-95	<	.00086	UGG	0.0		
LM19	CLC6HS	VOC'S IN SOIL BY GC/MS	LM19	CLC6HS	DV4S*436 YGWG	19-SRP-95	27-SEP-95	<	.00086	UGG	0.0		
LM19	CLC6HS	VOC'S IN SOIL BY GC/MS	LM19	CLC6HS	DV4S*104 YGWG	19-SRP-95	26-SEP-95	<	.00086	UGG	0.0		
LM19	CS2	CS2	VOC'S IN SOIL BY GC/MS	LM19	CS2	DV4S*217 YGZG	27-SRP-95	02-OCT-95	<	.0044	UGG	0.0	
LM19	CS2	CS2	VOC'S IN SOIL BY GC/MS	LM19	CS2	DV4S*442 YGAH	27-SRP-95	03-OCT-95	<	.0044	UGG	0.0	
LM19	CS2	CS2	VOC'S IN SOIL BY GC/MS	LM19	CS2	DV4S*246 YGMW	19-SRP-95	26-SEP-95	<	.0044	UGG	0.0	

SAMPLE DUBLICATS (NON-FILTERED SAMPLES)

IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	IRDMIS					Analysis Date	Value	Units	RPD
			Lab Number	Lot	Sample Date	Analysis					
						Date	<				
LM19	CS2	BK2W0100	DV4S*435	YGYG	19-SEP-95	29-SEP-95	<	.0044	UGG	0.0	
LM19	CS2	DX570300	DV4S*187	YGUG	13-SEP-95	19-SEP-95	<	.0044	UGG	137.9	
LM19	CS2	DD570300	DV4S*431	YGVG	13-SEP-95	20-SEP-95	<	.02	UGG	137.9	
LM19	CS2	DD2W0100	DV4S*400	YGSG	11-SEP-95	19-SEP-95	<	.0044	UGG	0.0	
LM19	CS2	DX2W0100	DV4S*289	YGSG	11-SEP-95	18-SEP-95	<	.0044	UGG	0.0	
LM19	CS2	EX570405	DV4S*104	YGWG	19-SEP-95	26-SEP-95	<	.0044	UGG	0.0	
LM19	CS2	EX570405	DV4S*436	YGWG	19-SEP-95	27-SEP-95	<	.0044	UGG	0.0	
LM19	DBRC1M	BDAX0215	DV4S*442	YGAN	27-SEP-95	03-OCT-95	<	.0031	UGG	0.0	
LM19	DBRC1M	BDAX0215	DV4S*217	YGZG	27-SEP-95	02-OCT-95	<	.0031	UGG	0.0	
LM19	DBRC1M	BK2W0100	DV4S*246	YGWG	19-SEP-95	26-SEP-95	<	.0031	UGG	0.0	
LM19	DBRC1M	BK2W0100	DV4S*435	YGYG	19-SEP-95	29-SEP-95	<	.0031	UGG	0.0	
LM19	DBRC1M	DX570300	DV4S*187	YGUG	13-SEP-95	19-SEP-95	<	.0031	UGG	146.3	
LM19	DBRC1M	DD570300	DV4S*431	YGVG	13-SEP-95	20-SEP-95	<	.02	UGG	146.3	
LM19	DBRC1M	DD2W0100	DV4S*400	YGSG	11-SEP-95	19-SEP-95	<	.0031	UGG	0.0	
LM19	DBRC1M	DX2W0100	DV4S*289	YGSG	11-SEP-95	18-SEP-95	<	.0031	UGG	0.0	
LM19	DBRC1M	EX570405	DV4S*436	YGWG	19-SEP-95	27-SEP-95	<	.0031	UGG	0.0	
LM19	DBRC1M	EX570405	DV4S*104	YGWG	19-SEP-95	26-SEP-95	<	.0031	UGG	0.0	
LM19	ETC6H5	BDAX0215	DV4S*217	YGZG	27-SEP-95	02-OCT-95	<	.0017	UGG	0.0	
LM19	ETC6H5	BDAX0215	DV4S*442	YGAN	27-SEP-95	03-OCT-95	<	.0017	UGG	0.0	
LM19	ETC6H5	BK2W0100	DV4S*246	YGWG	19-SEP-95	26-SEP-95	<	.0017	UGG	0.0	
LM19	ETC6H5	BK2W0100	DV4S*435	YGYG	19-SEP-95	29-SEP-95	<	.0017	UGG	0.0	
LM19	ETC6H5	DX570300	DV4S*187	YGUG	13-SEP-95	19-SEP-95	<	.0017	UGG	121.8	
LM19	ETC6H5	DD570300	DV4S*431	YGVG	13-SEP-95	20-SEP-95	<	.007	UGG	121.8	
LM19	ETC6H5	DD2W0100	DV4S*400	YGSG	11-SEP-95	19-SEP-95	<	.0017	UGG	0.0	
LM19	ETC6H5	DX2W0100	DV4S*289	YGSG	11-SEP-95	18-SEP-95	<	.0017	UGG	0.0	
LM19	ETC6H5	EX570405	DV4S*436	YGWG	19-SEP-95	27-SEP-95	<	.0017	UGG	0.0	
LM19	ETC6H5	EX570405	DV4S*104	YGWG	19-SEP-95	26-SEP-95	<	.0017	UGG	0.0	
LM19	MEC6H5	BDAX0215	DV4S*442	YGAN	27-SEP-95	03-OCT-95	<	.00078	UGG	0.0	
LM19	MEC6H5	BDAX0215	DV4S*217	YGZG	27-SEP-95	02-OCT-95	<	.00078	UGG	0.0	
LM19	MEC6H5	BK2W0100	DV4S*435	YGYG	19-SEP-95	29-SEP-95	<	.00078	UGG	127.1	

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 2, 7 Sites

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

IRDMIS		IRDMIS		Field		Lab		Sample		Analysis		Value		Units		RPD	
Method	Code	Test	Name	Sample	Number	Number	Lot	Date	Date	Date	Date	<	<	<	<	<	<
VOC'S IN SOIL BY GC/MS	LM19	MEC6H5	MEC6H5	DX2W0100	DX2W0100	DV4S*246	YGWG	19-SEP-95	26-SEP-95	26-SEP-95	26-SEP-95	.0035	.0035	UGG	UGG	127.1	127.1
VOC'S IN SOIL BY GC/MS	LM19	MEC6H5	MEC6H5	DX2W0100	DX2W0100	DV4S*187	YGWG	13-SEP-95	19-SEP-95	19-SEP-95	19-SEP-95	.00078	.00078	UGG	UGG	134.7	134.7
VOC'S IN SOIL BY GC/MS	LM19	MEC6H5	MEC6H5	DX2W0100	DX2W0100	DV4S*431	YGWG	13-SEP-95	20-SEP-95	20-SEP-95	20-SEP-95	.004	.004	UGG	UGG	134.7	134.7
VOC'S IN SOIL BY GC/MS	LM19	MEC6H5	MEC6H5	DX2W0100	DX2W0100	DV4S*400	YGWG	11-SEP-95	19-SEP-95	19-SEP-95	19-SEP-95	.00078	.00078	UGG	UGG	0.0	0.0
VOC'S IN SOIL BY GC/MS	LM19	MEC6H5	MEC6H5	DX2W0100	DX2W0100	DV4S*289	YGWG	11-SEP-95	18-SEP-95	18-SEP-95	18-SEP-95	.00078	.00078	UGG	UGG	0.0	0.0
VOC'S IN SOIL BY GC/MS	LM19	MEC6H5	MEC6H5	ED570405	ED570405	DV4S*436	YGWG	19-SEP-95	27-SEP-95	27-SEP-95	27-SEP-95	.00078	.00078	UGG	UGG	0.0	0.0
VOC'S IN SOIL BY GC/MS	LM19	MEC6H5	MEC6H5	EX570405	EX570405	DV4S*104	YGWG	19-SEP-95	26-SEP-95	26-SEP-95	26-SEP-95	.00078	.00078	UGG	UGG	0.0	0.0
VOC'S IN SOIL BY GC/MS	LM19	MEK	MEK	BDAX0215	BDAX0215	DV4S*217	YGZG	27-SEP-95	02-OCT-95	02-OCT-95	02-OCT-95	.07	.07	UGG	UGG	0.0	0.0
VOC'S IN SOIL BY GC/MS	LM19	MEK	MEK	BDAX0215	BDAX0215	DV4S*442	YGZG	27-SEP-95	03-OCT-95	03-OCT-95	03-OCT-95	.07	.07	UGG	UGG	0.0	0.0
VOC'S IN SOIL BY GC/MS	LM19	MEK	MEK	EX2W0100	EX2W0100	DV4S*435	YGWG	19-SEP-95	29-SEP-95	29-SEP-95	29-SEP-95	.07	.07	UGG	UGG	0.0	0.0
VOC'S IN SOIL BY GC/MS	LM19	MEK	MEK	EX2W0100	EX2W0100	DV4S*246	YGWG	19-SEP-95	26-SEP-95	26-SEP-95	26-SEP-95	.07	.07	UGG	UGG	0.0	0.0
VOC'S IN SOIL BY GC/MS	LM19	MEK	MEK	DX2W0100	DX2W0100	DV4S*187	YGWG	13-SEP-95	19-SEP-95	19-SEP-95	19-SEP-95	.07	.07	UGG	UGG	140.4	140.4
VOC'S IN SOIL BY GC/MS	LM19	MEK	MEK	DD570300	DD570300	DV4S*431	YGWG	13-SEP-95	20-SEP-95	20-SEP-95	20-SEP-95	.4	.4	UGG	UGG	140.4	140.4
VOC'S IN SOIL BY GC/MS	LM19	MEK	MEK	DD2W0100	DD2W0100	DV4S*400	YGWG	11-SEP-95	19-SEP-95	19-SEP-95	19-SEP-95	.07	.07	UGG	UGG	0.0	0.0
VOC'S IN SOIL BY GC/MS	LM19	MEK	MEK	DX2W0100	DX2W0100	DV4S*289	YGWG	11-SEP-95	18-SEP-95	18-SEP-95	18-SEP-95	.07	.07	UGG	UGG	0.0	0.0
VOC'S IN SOIL BY GC/MS	LM19	MEK	MEK	EX570405	EX570405	DV4S*104	YGWG	19-SEP-95	26-SEP-95	26-SEP-95	26-SEP-95	.07	.07	UGG	UGG	0.0	0.0
VOC'S IN SOIL BY GC/MS	LM19	MEK	MEK	ED570405	ED570405	DV4S*436	YGWG	19-SEP-95	27-SEP-95	27-SEP-95	27-SEP-95	.07	.07	UGG	UGG	0.0	0.0
VOC'S IN SOIL BY GC/MS	LM19	MIBK	MIBK	BDAX0215	BDAX0215	DV4S*442	YGZG	27-SEP-95	03-OCT-95	03-OCT-95	03-OCT-95	.027	.027	UGG	UGG	0.0	0.0
VOC'S IN SOIL BY GC/MS	LM19	MIBK	MIBK	EX2W0100	EX2W0100	DV4S*246	YGWG	19-SEP-95	26-SEP-95	26-SEP-95	26-SEP-95	.027	.027	UGG	UGG	0.0	0.0
VOC'S IN SOIL BY GC/MS	LM19	MIBK	MIBK	EX2W0100	EX2W0100	DV4S*435	YGWG	19-SEP-95	29-SEP-95	29-SEP-95	29-SEP-95	.027	.027	UGG	UGG	0.0	0.0
VOC'S IN SOIL BY GC/MS	LM19	MIBK	MIBK	DX2W0100	DX2W0100	DV4S*187	YGWG	13-SEP-95	19-SEP-95	19-SEP-95	19-SEP-95	.027	.027	UGG	UGG	115.0	115.0
VOC'S IN SOIL BY GC/MS	LM19	MIBK	MIBK	DD570300	DD570300	DV4S*431	YGWG	13-SEP-95	20-SEP-95	20-SEP-95	20-SEP-95	.1	.1	UGG	UGG	115.0	115.0
VOC'S IN SOIL BY GC/MS	LM19	MIBK	MIBK	DD2W0100	DD2W0100	DV4S*400	YGWG	11-SEP-95	19-SEP-95	19-SEP-95	19-SEP-95	.027	.027	UGG	UGG	0.0	0.0
VOC'S IN SOIL BY GC/MS	LM19	MIBK	MIBK	DX2W0100	DX2W0100	DV4S*289	YGWG	11-SEP-95	18-SEP-95	18-SEP-95	18-SEP-95	.027	.027	UGG	UGG	0.0	0.0
VOC'S IN SOIL BY GC/MS	LM19	MIBK	MIBK	ED570405	ED570405	DV4S*436	YGWG	19-SEP-95	27-SEP-95	27-SEP-95	27-SEP-95	.027	.027	UGG	UGG	0.0	0.0
VOC'S IN SOIL BY GC/MS	LM19	MIBK	MIBK	EX570405	EX570405	DV4S*104	YGWG	19-SEP-95	26-SEP-95	26-SEP-95	26-SEP-95	.027	.027	UGG	UGG	0.0	0.0
VOC'S IN SOIL BY GC/MS	LM19	MIBK	MIBK	BDAX0215	BDAX0215	DV4S*217	YGZG	27-SEP-95	02-OCT-95	02-OCT-95	02-OCT-95	.032	.032	UGG	UGG	0.0	0.0
VOC'S IN SOIL BY GC/MS	LM19	MIBK	MIBK	EX2W0100	EX2W0100	DV4S*442	YGZG	27-SEP-95	03-OCT-95	03-OCT-95	03-OCT-95	.032	.032	UGG	UGG	0.0	0.0
VOC'S IN SOIL BY GC/MS	LM19	MIBK	MIBK	EX2W0100	EX2W0100	DV4S*246	YGWG	19-SEP-95	26-SEP-95	26-SEP-95	26-SEP-95	.032	.032	UGG	UGG	0.0	0.0

SAMPLE DUBLICATS (NON-FILTERED SAMPLES)



SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

IRDMIS		Field Sample Number	Test Name	Method Description			Lab Number	Lot	Sample Date	Analysis Date	<	Value	Units	RPD
Method Code														
LM19	TCLEA	BXZ0100	TCLEA	VOC'S IN SOIL BY GC/MS	DX4S*435 YGVG	19-SRP-95	29-SRP-95	<	.0024	UGG	0.0			
LM19	TCLEA	DX570300	TCLEA	VOC'S IN SOIL BY GC/MS	DX4S*187 YGVG	13-SRP-95	19-SRP-95	<	.0024	UGG	132.6			
LM19	TCLEA	DD570300	TCLEA	VOC'S IN SOIL BY GC/MS	DX4S*431 YGVG	13-SRP-95	20-SRP-95	<	.01	UGG	122.6			
LM19	TCLEA	DDZ0100	TCLEA	VOC'S IN SOIL BY GC/MS	DX4S*400 YGSG	11-SRP-95	19-SRP-95	<	.0024	UGG	0.0			
LM19	TCLEA	DXZ0100	TCLEA	VOC'S IN SOIL BY GC/MS	DX4S*289 YGSG	11-SRP-95	18-SRP-95	<	.0024	UGG	0.0			
LM19	TCLEA	ED570405	TCLEA	VOC'S IN SOIL BY GC/MS	DX4S*436 YGVG	19-SRP-95	27-SRP-95	<	.0024	UGG	0.0			
LM19	TCLEA	EX570405	TCLEA	VOC'S IN SOIL BY GC/MS	DX4S*104 YGVG	19-SRP-95	26-SRP-95	<	.0024	UGG	0.0			
LM19	TCLEB	BXAX0215	TCLEB	VOC'S IN SOIL BY GC/MS	DX4S*217 YGZG	27-SRP-95	02-OCT-95	<	.0081	UGG	0.0			
LM19	TCLEB	BDAX0215	TCLEB	VOC'S IN SOIL BY GC/MS	DX4S*442 YGAG	27-SRP-95	03-OCT-95	<	.0081	UGG	0.0			
LM19	TCLEB	DXZ0100	TCLEB	VOC'S IN SOIL BY GC/MS	DX4S*435 YGVG	19-SRP-95	29-SRP-95	<	.0081	UGG	0.0			
LM19	TCLEB	BXZ0100	TCLEB	VOC'S IN SOIL BY GC/MS	DX4S*246 YGVG	19-SRP-95	26-SRP-95	<	.0081	UGG	0.0			
LM19	TCLEB	DX570300	TCLEB	VOC'S IN SOIL BY GC/MS	DX4S*187 YGVG	13-SRP-95	19-SRP-95	<	.0081	UGG	132.6			
LM19	TCLEB	DD570300	TCLEB	VOC'S IN SOIL BY GC/MS	DX4S*431 YGVG	13-SRP-95	20-SRP-95	<	.004	UGG	0.0			
LM19	TCLEB	DDZ0100	TCLEB	VOC'S IN SOIL BY GC/MS	DX4S*400 YGSG	11-SRP-95	19-SRP-95	<	.0081	UGG	0.0			
LM19	TCLEB	DXZ0100	TCLEB	VOC'S IN SOIL BY GC/MS	DX4S*289 YGSG	11-SRP-95	18-SRP-95	<	.0081	UGG	0.0			
LM19	TCLEB	EX570405	TCLEB	VOC'S IN SOIL BY GC/MS	DX4S*104 YGVG	19-SRP-95	26-SRP-95	<	.0081	UGG	0.0			
LM19	TCLEB	ED570405	TCLEB	VOC'S IN SOIL BY GC/MS	DX4S*436 YGVG	19-SRP-95	27-SRP-95	<	.0081	UGG	0.0			
LM19	TRCLE	BXAX0215	TRCLE	VOC'S IN SOIL BY GC/MS	DX4S*442 YGAG	27-SRP-95	03-OCT-95	<	.0028	UGG	0.0			
LM19	TRCLE	BXAX0215	TRCLE	VOC'S IN SOIL BY GC/MS	DX4S*217 YGZG	27-SRP-95	02-OCT-95	<	.0028	UGG	0.0			
LM19	TRCLE	DXZ0100	TRCLE	VOC'S IN SOIL BY GC/MS	DX4S*246 YGVG	19-SRP-95	26-SRP-95	<	.0028	UGG	0.0			
LM19	TRCLE	BXZ0100	TRCLE	VOC'S IN SOIL BY GC/MS	DX4S*435 YGVG	19-SRP-95	29-SRP-95	<	.0028	UGG	0.0			
LM19	TRCLE	DX570300	TRCLE	VOC'S IN SOIL BY GC/MS	DX4S*187 YGVG	13-SRP-95	19-SRP-95	<	.0028	UGG	112.5			
LM19	TRCLE	DD570300	TRCLE	VOC'S IN SOIL BY GC/MS	DX4S*431 YGVG	13-SRP-95	20-SRP-95	<	.01	UGG	112.5			
LM19	TRCLE	DDZ0100	TRCLE	VOC'S IN SOIL BY GC/MS	DX4S*400 YGSG	11-SRP-95	19-SRP-95	<	.0028	UGG	0.0			
LM19	TRCLE	DXZ0100	TRCLE	VOC'S IN SOIL BY GC/MS	DX4S*289 YGSG	11-SRP-95	18-SRP-95	<	.0028	UGG	0.0			
LM19	TRCLE	ED570405	TRCLE	VOC'S IN SOIL BY GC/MS	DX4S*436 YGVG	19-SRP-95	27-SRP-95	<	.0028	UGG	0.0			
LM19	TRCLE	EX570405	TRCLE	VOC'S IN SOIL BY GC/MS	DX4S*104 YGVG	19-SRP-95	26-SRP-95	<	.0028	UGG	0.0			
LM19	XYLEN	BXAX0215	XYLEN	VOC'S IN SOIL BY GC/MS	DX4S*217 YGZG	27-SRP-95	02-OCT-95	<	.0015	UGG	0.0			
LM19	XYLEN	BDAX0215	XYLEN	VOC'S IN SOIL BY GC/MS	DX4S*442 YGAG	27-SRP-95	03-OCT-95	<	.0015	UGG	0.0			
LM19	XYLEN	BXZ0100	XYLEN	VOC'S IN SOIL BY GC/MS	DX4S*246 YGVG	19-SRP-95	26-SRP-95	<	.0015	UGG	0.0			

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 2, 7 Sites

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

IRDMIS		IRDMIS		Field		Lab		Sample		Analysis		Value		Units		RPD	
Method	Test	Sample	Field	Number	Lot	Date	Number	Lot	Date	Date							

SAMPLE DUBLICATES (NON-FILTERED SAMPLES)

SD28

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

IRDMIS		IRDMIS		IRDMIS							
Method	Code	Test Name	Field	Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value	Units	RPD
SB IN WATER BY GPAA			SD28	SB	WD5703XX	DV4W*432	NPRD	13-SEP-95	10-OCT-95	< 3.03 UGL	0.0
METALS IN WATER BY ICAP			SS10	AG	MXAX03X1	DV4W*235	ZPSP	31-OCT-95	27-NOV-95	< 4.6 UGL	0.0
METALS IN WATER BY ICAP			SS10	AG	MDAX03X1	DV4W*447	ZPSP	31-OCT-95	27-NOV-95	< 4.6 UGL	0.0
METALS IN WATER BY ICAP			SS10	AG	MDG307X1	DV4W*448	ZPSP	31-OCT-95	27-NOV-95	< 4.6 UGL	0.0
METALS IN WATER BY ICAP			SS10	AG	MXG307X1	DV4W*165	ZPSP	31-OCT-95	27-NOV-95	< 4.6 UGL	0.0
METALS IN WATER BY ICAP			SS10	AG	MDZWI2X3	DV4W*450	ZFTF	02-NOV-95	28-NOV-95	< 4.6 UGL	0.0
METALS IN WATER BY ICAP			SS10	AG	MXZW12X3	DV4W*275	ZFTF	02-NOV-95	28-NOV-95	< 4.6 UGL	0.0
METALS IN WATER BY ICAP			SS10	AG	WX5703XX	DV4W*202	ZFLF	13-SEP-95	03-OCT-95	< 4.6 UGL	0.0
METALS IN WATER BY ICAP			SS10	AG	WD5703XX	DV4W*432	ZFLF	13-SEP-95	03-OCT-95	< 4.6 UGL	0.0
METALS IN WATER BY ICAP			SS10	AL	MXAX03X1	DV4W*235	ZPSP	31-OCT-95	27-NOV-95	948 UGL	17.2
METALS IN WATER BY ICAP			SS10	AL	MDAX03X1	DV4W*447	ZPSP	31-OCT-95	27-NOV-95	798 UGL	17.2
METALS IN WATER BY ICAP			SS10	AL	MDG307X1	DV4W*448	ZPSP	31-OCT-95	27-NOV-95	168 UGL	17.5
METALS IN WATER BY ICAP			SS10	AL	MXG307X1	DV4W*165	ZPSP	31-OCT-95	27-NOV-95	141 UGL	17.5
METALS IN WATER BY ICAP			SS10	AL	MXZW12X3	DV4W*275	ZFTF	02-NOV-95	28-NOV-95	198 UGL	6.8
METALS IN WATER BY ICAP			SS10	AL	MDZWI2X3	DV4W*450	ZFTF	02-NOV-95	28-NOV-95	185 UGL	6.8
METALS IN WATER BY ICAP			SS10	AL	WD5703XX	DV4W*432	ZFLF	13-SEP-95	03-OCT-95	141 UGL	0.0
METALS IN WATER BY ICAP			SS10	AL	WX5703XX	DV4W*202	ZFLF	13-SEP-95	03-OCT-95	141 UGL	0.0
METALS IN WATER BY ICAP			SS10	BA	MDAX03X1	DV4W*447	ZPSP	31-OCT-95	27-NOV-95	30.1 UGL	6.1
METALS IN WATER BY ICAP			SS10	BA	MDAX03X1	DV4W*235	ZPSP	31-OCT-95	27-NOV-95	32 UGL	6.1
METALS IN WATER BY ICAP			SS10	BA	MDG307X1	DV4W*448	ZPSP	31-OCT-95	27-NOV-95	15.9 UGL	3.2
METALS IN WATER BY ICAP			SS10	BA	MXG307X1	DV4W*165	ZPSP	31-OCT-95	27-NOV-95	15.4 UGL	3.2
METALS IN WATER BY ICAP			SS10	BA	MDZWI2X3	DV4W*450	ZFTF	02-NOV-95	28-NOV-95	< 5 UGL	0.0
METALS IN WATER BY ICAP			SS10	BA	MXZW12X3	DV4W*275	ZFTF	02-NOV-95	28-NOV-95	< 5 UGL	0.0
METALS IN WATER BY ICAP			SS10	BA	WX5703XX	DV4W*202	ZFLF	13-SEP-95	03-OCT-95	13.7 UGL	9.2
METALS IN WATER BY ICAP			SS10	BA	WD5703XX	DV4W*432	ZFLF	13-SEP-95	03-OCT-95	12.5 UGL	9.2
METALS IN WATER BY ICAP			SS10	BE	MDAX03X1	DV4W*447	ZPSP	31-OCT-95	27-NOV-95	< 5 UGL	0.0
METALS IN WATER BY ICAP			SS10	BE	MDAX03X1	DV4W*235	ZPSP	31-OCT-95	27-NOV-95	< 5 UGL	0.0
METALS IN WATER BY ICAP			SS10	BE	MDG307X1	DV4W*448	ZPSP	31-OCT-95	27-NOV-95	< 5 UGL	0.0

SAMPLE DUBLICATES (NON-FILTERED SAMPLES)

IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab			Sample Date	Analysis Date	Value		Units	RPD
			Number	Lot	Number			<	>		
SS10	BE	MXG307X1	DV4W*165	ZFSP		31-OCT-95	27-NOV-95	<		5	UGL
SS10	BE	MDZM12X3	DV4W*450	ZFTF		02-NOV-95	28-NOV-95	<		5	UGL
SS10	BE	MXG307X1	DV4W*275	ZFTF		02-NOV-95	28-NOV-95	<		5	UGL
SS10	BE	MXS703XX	DV4W*202	ZFLP		13-SEP-95	03-OCT-95	<		5	UGL
SS10	BE	WD5703XX	DV4W*432	ZFLP		13-SEP-95	03-OCT-95	<		5	UGL
SS10	CA	MDAX03X1	DV4W*447	ZFSP		31-OCT-95	27-NOV-95	<		60300	UGL
SS10	CA	MXAX03X1	DV4W*235	ZFSP		31-OCT-95	27-NOV-95	<		55500	UGL
SS10	CA	MDG307X1	DV4W*448	ZFSP		31-OCT-95	27-NOV-95	<		11900	UGL
SS10	CA	MXG307X1	DV4W*165	ZFSP		31-OCT-95	27-NOV-95	<		11800	UGL
SS10	CA	MXZM12X3	DV4W*275	ZFTF		02-NOV-95	28-NOV-95	<		13900	UGL
SS10	CA	MDZM12X3	DV4W*450	ZFTF		02-NOV-95	28-NOV-95	<		18700	UGL
SS10	CA	MXS703XX	DV4W*202	ZFLP		13-SEP-95	03-OCT-95	<		25400	UGL
SS10	CA	WD5703XX	DV4W*432	ZFLP		13-SEP-95	03-OCT-95	<		23300	UGL
SS10	CD	MDAX03X1	DV4W*447	ZFSP		31-OCT-95	27-NOV-95	<		4.01	UGL
SS10	CD	MXAX03X1	DV4W*235	ZFSP		31-OCT-95	27-NOV-95	<		4.01	UGL
SS10	CD	MDG307X1	DV4W*448	ZFSP		31-OCT-95	27-NOV-95	<		4.01	UGL
SS10	CD	MXG307X1	DV4W*165	ZFSP		31-OCT-95	27-NOV-95	<		4.01	UGL
SS10	CD	MDZM12X3	DV4W*450	ZFTF		02-NOV-95	28-NOV-95	<		4.01	UGL
SS10	CD	MXZM12X3	DV4W*275	ZFTF		02-NOV-95	28-NOV-95	<		4.01	UGL
SS10	CD	MXS703XX	DV4W*202	ZFLP		13-SEP-95	03-OCT-95	<		4.01	UGL
SS10	CD	WD5703XX	DV4W*432	ZFLP		13-SEP-95	03-OCT-95	<		4.01	UGL
SS10	CO	MDAX03X1	DV4W*447	ZFSP		31-OCT-95	27-NOV-95	<		25	UGL
SS10	CO	MXAX03X1	DV4W*235	ZFSP		31-OCT-95	27-NOV-95	<		25	UGL
SS10	CO	MDG307X1	DV4W*448	ZFSP		31-OCT-95	27-NOV-95	<		25	UGL
SS10	CO	MXG307X1	DV4W*165	ZFSP		31-OCT-95	27-NOV-95	<		25	UGL
SS10	CO	MDZM12X3	DV4W*450	ZFTF		02-NOV-95	28-NOV-95	<		25	UGL
SS10	CO	MXZM12X3	DV4W*275	ZFTF		02-NOV-95	28-NOV-95	<		25	UGL
SS10	CO	MXS703XX	DV4W*202	ZFLP		13-SEP-95	03-OCT-95	<		25	UGL
SS10	CO	WD5703XX	DV4W*432	ZFLP		13-SEP-95	03-OCT-95	<		25	UGL

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

[illegible]

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 2, 7 Sites

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	<	Value Units	RPD
METALS IN WATER BY ICAP	SS10	K	WD5703XX	DV4W*432	ZFLP	13-SEP-95	03-OCT-95		1870 UGL	28.0
METALS IN WATER BY ICAP	SS10	K	WD5703XX	DV4W*202	ZFLP	13-SEP-95	03-OCT-95		1410 UGL	28.0
METALS IN WATER BY ICAP	SS10	MG	MDAX03X1	DV4W*447	ZFSP	31-OCT-95	27-NOV-95		22200 UGL	28.3
METALS IN WATER BY ICAP	SS10	MG	MDAX03X1	DV4W*235	ZFSP	31-OCT-95	27-NOV-95		16700 UGL	28.3
METALS IN WATER BY ICAP	SS10	MG	MDG307X1	DV4W*165	ZFSP	31-OCT-95	27-NOV-95		668 UGL	.6
METALS IN WATER BY ICAP	SS10	MG	MDG307X1	DV4W*448	ZFSP	31-OCT-95	27-NOV-95		664 UGL	.6
METALS IN WATER BY ICAP	SS10	MG	MDZM12X3	DV4W*275	ZFTF	02-NOV-95	28-NOV-95		2040 UGL	3.5
METALS IN WATER BY ICAP	SS10	MG	MDZM12X3	DV4W*450	ZFTF	02-NOV-95	28-NOV-95		1970 UGL	3.5
METALS IN WATER BY ICAP	SS10	MG	WD5703XX	DV4W*202	ZFLP	13-SEP-95	03-OCT-95		3760 UGL	8.0
METALS IN WATER BY ICAP	SS10	MG	WD5703XX	DV4W*432	ZFLP	13-SEP-95	03-OCT-95		3470 UGL	8.0
METALS IN WATER BY ICAP	SS10	MN	MDAX03X1	DV4W*235	ZFSP	31-OCT-95	27-NOV-95		2900 UGL	16.0
METALS IN WATER BY ICAP	SS10	MN	MDAX03X1	DV4W*447	ZFSP	31-OCT-95	27-NOV-95		2470 UGL	16.0
METALS IN WATER BY ICAP	SS10	MN	MDG307X1	DV4W*448	ZFSP	31-OCT-95	27-NOV-95		6.88 UGL	78.8
METALS IN WATER BY ICAP	SS10	MN	MDG307X1	DV4W*165	ZFSP	31-OCT-95	27-NOV-95		2.99 UGL	78.8
METALS IN WATER BY ICAP	SS10	MN	MDZM12X3	DV4W*450	ZFTF	02-NOV-95	28-NOV-95		10.9 UGL	19.1
METALS IN WATER BY ICAP	SS10	MN	MDZM12X3	DV4W*275	ZFTF	02-NOV-95	28-NOV-95		9 UGL	19.1
METALS IN WATER BY ICAP	SS10	MN	WD5703XX	DV4W*202	ZFLP	13-SEP-95	03-OCT-95		123 UGL	3.3
METALS IN WATER BY ICAP	SS10	MN	WD5703XX	DV4W*432	ZFLP	13-SEP-95	03-OCT-95		119 UGL	3.3
METALS IN WATER BY ICAP	SS10	NA	MDAX03X1	DV4W*235	ZFSP	31-OCT-95	27-NOV-95		60800 UGL	.3
METALS IN WATER BY ICAP	SS10	NA	MDAX03X1	DV4W*447	ZFSP	31-OCT-95	27-NOV-95		60600 UGL	.3
METALS IN WATER BY ICAP	SS10	NA	MDG307X1	DV4W*448	ZFSP	31-OCT-95	27-NOV-95		39100 UGL	1.8
METALS IN WATER BY ICAP	SS10	NA	MDG307X1	DV4W*165	ZFSP	31-OCT-95	27-NOV-95		38400 UGL	1.8
METALS IN WATER BY ICAP	SS10	NA	MDZM12X3	DV4W*275	ZFTF	02-NOV-95	28-NOV-95		27500 UGL	3.7
METALS IN WATER BY ICAP	SS10	NA	MDZM12X3	DV4W*450	ZFTF	02-NOV-95	28-NOV-95		26500 UGL	3.7
METALS IN WATER BY ICAP	SS10	NA	WD5703XX	DV4W*202	ZFLP	13-SEP-95	03-OCT-95		20000 UGL	6.7
METALS IN WATER BY ICAP	SS10	NA	WD5703XX	DV4W*432	ZFLP	13-SEP-95	03-OCT-95		18700 UGL	6.7
METALS IN WATER BY ICAP	SS10	NI	MDAX03X1	DV4W*447	ZFSP	31-OCT-95	27-NOV-95	<	34.3 UGL	0.0
METALS IN WATER BY ICAP	SS10	NI	MDAX03X1	DV4W*235	ZFSP	31-OCT-95	27-NOV-95	<	34.3 UGL	0.0
METALS IN WATER BY ICAP	SS10	NI	MDG307X1	DV4W*448	ZFSP	31-OCT-95	27-NOV-95	<	34.3 UGL	0.0

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

[illegible]

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 2, 7 Sites

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

Method Description	IRDMIS Code	Test Name	Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	<	Value	Units	RPD
N2KJBL IN WATER	TP26	N2KJBL	MDAX03X1	DV4W*447	SHWA	31-OCT-95	22-NOV-95		1140	UGL	8.2
N2KJBL IN WATER	TP26	N2KJBL	MDAX03X1	DV4W*235	SHWA	31-OCT-95	22-NOV-95		1050	UGL	8.2
N2KJBL IN WATER	TP26	N2KJBL	MDG07X1	DV4W*165	SHWA	31-OCT-95	22-NOV-95	<	183	UGL	1.1
N2KJBL IN WATER	TP26	N2KJBL	MDG07X1	DV4W*448	SHWA	31-OCT-95	22-NOV-95		181	UGL	1.1
N2KJBL IN WATER	TP26	N2KJBL	MDZM12X3	DV4W*450	SHWA	02-NOV-95	28-NOV-95		1050	UGL	9.8
N2KJBL IN WATER	TP26	N2KJBL	MDZM12X3	DV4W*275	SHWA	02-NOV-95	28-NOV-95		952	UGL	9.8
N2KJBL IN WATER	TP26	N2KJBL	MD5703XX	DV4W*432	SHWA	13-SEP-95	28-SEP-95		1430	UGL	144.8
N2KJBL IN WATER	TP26	N2KJBL	MD5703XX	DV4W*202	SHWA	13-SEP-95	28-SEP-95		229	UGL	144.8
TOT. PO4 IN WATER	TP27	PO4	MDAX03X1	DV4W*235	WHFB	31-OCT-95	21-NOV-95		55.4	UGL	.5
TOT. PO4 IN WATER	TP27	PO4	MDAX03X1	DV4W*447	WHFB	31-OCT-95	21-NOV-95		55.1	UGL	.5
TOT. PO4 IN WATER	TP27	PO4	MDG07X1	DV4W*165	WHFB	31-OCT-95	21-NOV-95		18.2	UGL	31.1
TOT. PO4 IN WATER	TP27	PO4	MDG07X1	DV4W*448	WHFB	31-OCT-95	21-NOV-95	<	13.3	UGL	31.1
TOT. PO4 IN WATER	TP27	PO4	MDZM12X3	DV4W*275	WHFB	02-NOV-95	21-NOV-95		2200	UGL	9.5
TOT. PO4 IN WATER	TP27	PO4	MDZM12X3	DV4W*450	WHFB	02-NOV-95	21-NOV-95		2000	UGL	9.5
TOT. PO4 IN WATER	TP27	PO4	MD5703XX	DV4W*202	WHCB	13-SEP-95	25-SEP-95		24.8	UGL	130.5
TOT. PO4 IN WATER	TP27	PO4	MD5703XX	DV4W*432	WHCB	13-SEP-95	25-SEP-95		118	UGL	130.5
SO4 IN WATER	TT10	CL	MDAX03X1	DV4W*447	PDKC	31-OCT-95	22-NOV-95		50000	UGL	35.3
SO4 IN WATER	TT10	CL	MDAX03X1	DV4W*235	PDJC	31-OCT-95	16-NOV-95		35000	UGL	35.3
SO4 IN WATER	TT10	CL	MDG07X1	DV4W*165	PDJC	31-OCT-95	22-NOV-95		66000	UGL	0.0
SO4 IN WATER	TT10	CL	MDG07X1	DV4W*448	PDJC	31-OCT-95	16-NOV-95		66000	UGL	0.0
SO4 IN WATER	TT10	CL	MDZM12X3	DV4W*275	PDKC	02-NOV-95	22-NOV-95		44000	UGL	4.7
SO4 IN WATER	TT10	CL	MDZM12X3	DV4W*450	PDKC	02-NOV-95	22-NOV-95		42000	UGL	4.7
SO4 IN WATER	TT10	CL	MD5703XX	DV4W*202	PDGC	13-SEP-95	18-SEP-95		44000	UGL	0.0
SO4 IN WATER	TT10	CL	MD5703XX	DV4W*432	PDGC	13-SEP-95	18-SEP-95		44000	UGL	0.0
SO4 IN WATER	TT10	SO4	MDAX03X1	DV4W*235	PDJC	31-OCT-95	16-NOV-95		43000	UGL	2.4
SO4 IN WATER	TT10	SO4	MDAX03X1	DV4W*447	PDKC	31-OCT-95	22-NOV-95		42000	UGL	2.4

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 2, 7 Sites

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value	Units	RPD
SO4 IN WATER	TT10	SO4	MDG307X1	DVAW*165	PDJC	31-OCT-95	16-NOV-95	15000	UGL	0.0
SO4 IN WATER	TT10	SO4	MDG307X1	DVAW*448	PDJC	31-OCT-95	22-NOV-95	15000	UGL	0.0
SO4 IN WATER	TT10	SO4	MDZM12X3	DVAW*450	PDJC	02-NOV-95	22-NOV-95	16000	UGL	0.0
SO4 IN WATER	TT10	SO4	MDZM12X3	DVAW*275	PDJC	02-NOV-95	22-NOV-95	16000	UGL	0.0
SO4 IN WATER	TT10	SO4	MDZM12X3	DVAW*202	PDJC	13-SEP-95	18-SEP-95	13000	UGL	0.0
SO4 IN WATER	TT10	SO4	MDZM12X3	DVAW*432	PDJC	13-SEP-95	18-SEP-95	13000	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	124TCB	MDAX03X1	DVAW*235	MDPI	31-OCT-95	13-NOV-95	1.8	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	124TCB	MDAX03X1	DVAW*447	MDPI	31-OCT-95	13-NOV-95	1.8	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	124TCB	MDG307X1	DVAW*165	MDPI	31-OCT-95	13-NOV-95	1.8	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	124TCB	MDG307X1	DVAW*448	MDPI	31-OCT-95	13-NOV-95	1.8	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	124TCB	MDZM12X3	DVAW*450	MDHI	02-NOV-95	05-DEC-95	1.8	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	124TCB	MDZM12X3	DVAW*275	MDHI	02-NOV-95	05-DEC-95	1.8	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	124TCB	MDZM12X3	DVAW*202	MDHI	13-SEP-95	26-SEP-95	1.8	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	124TCB	MDZM12X3	DVAW*432	MDHI	13-SEP-95	27-SEP-95	1.8	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	12DCLB	MDAX03X1	DVAW*447	MDPI	31-OCT-95	13-NOV-95	1.7	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	12DCLB	MDAX03X1	DVAW*235	MDPI	31-OCT-95	13-NOV-95	1.7	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	12DCLB	MDG307X1	DVAW*165	MDPI	31-OCT-95	13-NOV-95	1.7	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	12DCLB	MDG307X1	DVAW*448	MDPI	31-OCT-95	13-NOV-95	1.7	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	12DCLB	MDZM12X3	DVAW*450	MDHI	02-NOV-95	05-DEC-95	1.7	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	12DCLB	MDZM12X3	DVAW*275	MDHI	02-NOV-95	05-DEC-95	1.7	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	12DCLB	MDZM12X3	DVAW*202	MDHI	13-SEP-95	26-SEP-95	1.7	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	12DCLB	MDZM12X3	DVAW*432	MDHI	13-SEP-95	27-SEP-95	1.7	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	12DPH	MDAX03X1	DVAW*235	MDPI	31-OCT-95	13-NOV-95	2	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	12DPH	MDAX03X1	DVAW*447	MDPI	31-OCT-95	13-NOV-95	2	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	12DPH	MDG307X1	DVAW*165	MDPI	31-OCT-95	13-NOV-95	2	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	12DPH	MDG307X1	DVAW*448	MDPI	31-OCT-95	13-NOV-95	2	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	12DPH	MDZM12X3	DVAW*450	MDHI	02-NOV-95	05-DEC-95	2	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	12DPH	MDZM12X3	DVAW*275	MDHI	02-NOV-95	05-DEC-95	2	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	12DPH	MDZM12X3	DVAW*202	MDHI	13-SEP-95	26-SEP-95	2	UGL	0.0

SAMPLE DUBLICATES (NON-FILTERED SAMPLES)

IRDMIS		IRDMIS Field										IRDMIS	
Method Description		Code	Test Name	Sample Number	Lab Number	Lot	Sample Date	Analysis Date	<	Value	Units	RPD	
BNA'S IN WATER BY GC/MS		UM18	12DPH	WD5703XX	DV4W*432	WDWH	13-SEP-95	27-SEP-95	<	2	UGL	0.0	
BNA'S IN WATER BY GC/MS		UM18	13DCIB	MDAX03X1	DV4W*447	WDPI	31-OCT-95	13-NOV-95	<	1.7	UGL	0.0	
BNA'S IN WATER BY GC/MS		UM18	13DCIB	MKAX03X1	DV4W*235	WDPI	31-OCT-95	13-NOV-95	<	1.7	UGL	0.0	
BNA'S IN WATER BY GC/MS		UM18	13DCIB	MKG307X1	DV4W*165	WDPI	31-OCT-95	13-NOV-95	<	1.7	UGL	0.0	
BNA'S IN WATER BY GC/MS		UM18	13DCIB	MDG307X1	DV4W*448	WDPI	31-OCT-95	13-NOV-95	<	1.7	UGL	0.0	
BNA'S IN WATER BY GC/MS		UM18	13DCIB	MKZM12X3	DV4W*275	WDHI	02-NOV-95	05-DEC-95	<	1.7	UGL	0.0	
BNA'S IN WATER BY GC/MS		UM18	13DCIB	MDZM12X3	DV4W*450	WDHI	02-NOV-95	05-DEC-95	<	1.7	UGL	0.0	
BNA'S IN WATER BY GC/MS		UM18	13DCIB	WD5703XX	DV4W*432	WDWH	13-SEP-95	27-SEP-95	<	1.7	UGL	0.0	
BNA'S IN WATER BY GC/MS		UM18	13DCIB	MK5703XX	DV4W*202	WDWH	13-SEP-95	26-SEP-95	<	1.7	UGL	0.0	
BNA'S IN WATER BY GC/MS		UM18	14DCIB	MDAX03X1	DV4W*447	WDPI	31-OCT-95	13-NOV-95	<	1.7	UGL	0.0	
BNA'S IN WATER BY GC/MS		UM18	14DCIB	MKAX03X1	DV4W*235	WDPI	31-OCT-95	13-NOV-95	<	1.7	UGL	0.0	
BNA'S IN WATER BY GC/MS		UM18	14DCIB	MDG307X1	DV4W*448	WDPI	31-OCT-95	13-NOV-95	<	1.7	UGL	0.0	
BNA'S IN WATER BY GC/MS		UM18	14DCIB	MKG307X1	DV4W*165	WDPI	31-OCT-95	13-NOV-95	<	1.7	UGL	0.0	
BNA'S IN WATER BY GC/MS		UM18	14DCIB	MDZM12X3	DV4W*275	WDHI	02-NOV-95	05-DEC-95	<	1.7	UGL	0.0	
BNA'S IN WATER BY GC/MS		UM18	14DCIB	MKZM12X3	DV4W*275	WDHI	02-NOV-95	05-DEC-95	<	1.7	UGL	0.0	
BNA'S IN WATER BY GC/MS		UM18	14DCIB	WD5703XX	DV4W*202	WDWH	13-SEP-95	26-SEP-95	<	1.7	UGL	0.0	
BNA'S IN WATER BY GC/MS		UM18	14DCIB	MK5703XX	DV4W*432	WDWH	13-SEP-95	27-SEP-95	<	1.7	UGL	0.0	
BNA'S IN WATER BY GC/MS		UM18	24STCP	MDAX03X1	DV4W*447	WDPI	31-OCT-95	13-NOV-95	<	5.2	UGL	0.0	
BNA'S IN WATER BY GC/MS		UM18	24STCP	MKAX03X1	DV4W*235	WDPI	31-OCT-95	13-NOV-95	<	5.2	UGL	0.0	
BNA'S IN WATER BY GC/MS		UM18	24STCP	MKG307X1	DV4W*165	WDPI	31-OCT-95	13-NOV-95	<	5.2	UGL	0.0	
BNA'S IN WATER BY GC/MS		UM18	24STCP	MDG307X1	DV4W*448	WDPI	31-OCT-95	13-NOV-95	<	5.2	UGL	0.0	
BNA'S IN WATER BY GC/MS		UM18	24STCP	MKZM12X3	DV4W*275	WDHI	02-NOV-95	05-DEC-95	<	5.2	UGL	0.0	
BNA'S IN WATER BY GC/MS		UM18	24STCP	MDZM12X3	DV4W*450	WDHI	02-NOV-95	05-DEC-95	<	5.2	UGL	0.0	
BNA'S IN WATER BY GC/MS		UM18	24STCP	WD5703XX	DV4W*432	WDWH	13-SEP-95	27-SEP-95	<	5.2	UGL	0.0	
BNA'S IN WATER BY GC/MS		UM18	24STCP	MK5703XX	DV4W*202	WDWH	13-SEP-95	26-SEP-95	<	5.2	UGL	0.0	
BNA'S IN WATER BY GC/MS		UM18	246TCP	MDAX03X1	DV4W*447	WDPI	31-OCT-95	13-NOV-95	<	4.2	UGL	0.0	
BNA'S IN WATER BY GC/MS		UM18	246TCP	MKAX03X1	DV4W*235	WDPI	31-OCT-95	13-NOV-95	<	4.2	UGL	0.0	
BNA'S IN WATER BY GC/MS		UM18	246TCP	MDG307X1	DV4W*448	WDPI	31-OCT-95	13-NOV-95	<	4.2	UGL	0.0	
BNA'S IN WATER BY GC/MS		UM18	246TCP	MKG307X1	DV4W*165	WDPI	31-OCT-95	13-NOV-95	<	4.2	UGL	0.0	

SAMPLE DUBLICATES (NON-FILTERED SAMPLES)

0.0

SAMPLE DUBLICATES (NON-FILTERED SAMPLES)

[illegible]

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 2, 7 Sites

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

Method Description	IRDMIS Method Code	IRDMIS Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value	Units	RPD
BNA'S IN WATER BY GC/MS	UM18	2CNAP	WX5703XX	DV4W*202	WDWH	13-SEP-95	26-SEP-95	<	.5 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	2HNAP	MDAX03X1	DV4W*447	WDPI	31-OCT-95	13-NOV-95	<	1.7 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	2HNAP	MXAX03X1	DV4W*235	WDPI	31-OCT-95	13-NOV-95	<	1.7 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	2HNAP	MXG07X1	DV4W*165	WDPI	31-OCT-95	13-NOV-95	<	1.7 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	2HNAP	MDG07X1	DV4W*448	WDPI	31-OCT-95	13-NOV-95	<	1.7 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	2HNAP	MDZM12X3	DV4W*450	WDHI	02-NOV-95	05-DEC-95	<	1.7 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	2HNAP	MXZM12X3	DV4W*275	WDHI	02-NOV-95	05-DEC-95	<	1.7 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	2HNAP	WX5703XX	DV4W*202	WDWH	13-SEP-95	26-SEP-95	<	1.7 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	2HNAP	WD5703XX	DV4W*432	WDWH	13-SEP-95	27-SEP-95	<	1.7 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	2NP	MDAX03X1	DV4W*447	WDPI	31-OCT-95	13-NOV-95	<	3.9 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	2NP	MXAX03X1	DV4W*235	WDPI	31-OCT-95	13-NOV-95	<	3.9 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	2NP	MXG07X1	DV4W*448	WDPI	31-OCT-95	13-NOV-95	<	3.9 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	2NP	MXG07X1	DV4W*165	WDPI	31-OCT-95	13-NOV-95	<	3.9 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	2NP	MXZM12X3	DV4W*275	WDHI	02-NOV-95	05-DEC-95	<	3.9 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	2NP	MDZM12X3	DV4W*450	WDHI	02-NOV-95	05-DEC-95	<	3.9 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	2NP	WD5703XX	DV4W*432	WDWH	13-SEP-95	27-SEP-95	<	3.9 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	2NP	WX5703XX	DV4W*202	WDWH	13-SEP-95	26-SEP-95	<	3.9 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	2NANIL	MDAX03X1	DV4W*447	WDPI	31-OCT-95	13-NOV-95	<	4.3 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	2NANIL	MXAX03X1	DV4W*235	WDPI	31-OCT-95	13-NOV-95	<	4.3 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	2NANIL	MXG07X1	DV4W*165	WDPI	31-OCT-95	13-NOV-95	<	4.3 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	2NANIL	MDG07X1	DV4W*448	WDPI	31-OCT-95	13-NOV-95	<	4.3 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	2NANIL	MXZM12X3	DV4W*275	WDHI	02-NOV-95	05-DEC-95	<	4.3 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	2NANIL	MDZM12X3	DV4W*450	WDHI	02-NOV-95	05-DEC-95	<	4.3 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	2NANIL	WX5703XX	DV4W*202	WDWH	13-SEP-95	26-SEP-95	<	4.3 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	2NANIL	WD5703XX	DV4W*432	WDWH	13-SEP-95	27-SEP-95	<	4.3 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	2NP	MDAX03X1	DV4W*447	WDPI	31-OCT-95	13-NOV-95	<	3.7 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	2NP	MXAX03X1	DV4W*235	WDPI	31-OCT-95	13-NOV-95	<	3.7 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	2NP	MXG07X1	DV4W*448	WDPI	31-OCT-95	13-NOV-95	<	3.7 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	2NP	MXG07X1	DV4W*165	WDPI	31-OCT-95	13-NOV-95	<	3.7 UGL	0.0

Chemical Quality Control Report
Installation: Port Devens, MA (DV)
Group 2, 7 Sites

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	<	Value Units	RPD
BNA'S IN WATER BY GC/MS	UM18	2NP	MDZM12X3	DV4W*450	WDHI	02-NOV-95	05-DEC-95	<	3.7 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	2NP	MDZM12X3	DV4W*275	WDHI	02-NOV-95	05-DEC-95	<	3.7 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	2NP	WD5703XX	DV4W*432	WDWH	13-SEP-95	27-SEP-95	<	3.7 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	2NP	WD5703XX	DV4W*202	WDWH	13-SEP-95	26-SEP-95	<	3.7 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	33DCBD	MDAX03X1	DV4W*447	WDPI	31-OCT-95	13-NOV-95	<	12 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	33DCBD	MDAX03X1	DV4W*235	WDPI	31-OCT-95	13-NOV-95	<	12 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	33DCBD	MDXG07X1	DV4W*165	WDPI	31-OCT-95	13-NOV-95	<	12 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	33DCBD	MDXG07X1	DV4W*448	WDPI	31-OCT-95	13-NOV-95	<	12 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	33DCBD	MDZM12X3	DV4W*450	WDHI	02-NOV-95	05-DEC-95	<	12 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	33DCBD	MDZM12X3	DV4W*275	WDHI	02-NOV-95	05-DEC-95	<	12 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	33DCBD	WD5703XX	DV4W*202	WDWH	13-SEP-95	26-SEP-95	<	12 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	33DCBD	WD5703XX	DV4W*432	WDWH	13-SEP-95	27-SEP-95	<	12 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	3NANIL	MDAX03X1	DV4W*447	WDPI	31-OCT-95	13-NOV-95	<	4.9 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	3NANIL	MDAX03X1	DV4W*235	WDPI	31-OCT-95	13-NOV-95	<	4.9 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	3NANIL	MDXG07X1	DV4W*448	WDPI	31-OCT-95	13-NOV-95	<	4.9 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	3NANIL	MDXG07X1	DV4W*165	WDPI	31-OCT-95	13-NOV-95	<	4.9 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	3NANIL	MDZM12X3	DV4W*275	WDHI	02-NOV-95	05-DEC-95	<	4.9 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	3NANIL	MDZM12X3	DV4W*450	WDHI	02-NOV-95	05-DEC-95	<	4.9 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	3NANIL	WD5703XX	DV4W*432	WDWH	13-SEP-95	27-SEP-95	<	4.9 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	3NANIL	WD5703XX	DV4W*202	WDWH	13-SEP-95	26-SEP-95	<	4.9 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	46DN2C	MDAX03X1	DV4W*447	WDPI	31-OCT-95	13-NOV-95	<	17 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	46DN2C	MDAX03X1	DV4W*235	WDPI	31-OCT-95	13-NOV-95	<	17 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	46DN2C	MDXG07X1	DV4W*165	WDPI	31-OCT-95	13-NOV-95	<	17 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	46DN2C	MDXG07X1	DV4W*448	WDPI	31-OCT-95	13-NOV-95	<	17 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	46DN2C	MDZM12X3	DV4W*450	WDHI	02-NOV-95	05-DEC-95	<	17 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	46DN2C	MDZM12X3	DV4W*275	WDHI	02-NOV-95	05-DEC-95	<	17 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	46DN2C	WD5703XX	DV4W*202	WDWH	13-SEP-95	26-SEP-95	<	17 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	46DN2C	WD5703XX	DV4W*432	WDWH	13-SEP-95	27-SEP-95	<	17 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	4BRPBB	MDAX03X1	DV4W*447	WDPI	31-OCT-95	13-NOV-95	<	4.2 UGL	0.0

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 2, 7 Sites

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

Method Description	IRDMIS Method Code	IRDMIS Field Number	Test Name	Lab Number	Lot	Sample Date	Analysis Date	Value	Units	RPD
RNA'S IN WATER BY GC/MS	UM18	MDX03X1	4BRPPE	DV4W*235	WDPI	31-OCT-95	13-NOV-95	<	4.2	UGL
RNA'S IN WATER BY GC/MS	UM18	MDG07X1	4BRPPE	DV4W*448	WDPI	31-OCT-95	13-NOV-95	<	4.2	UGL
RNA'S IN WATER BY GC/MS	UM18	MDG07X1	4BRPPE	DV4W*165	WDPI	31-OCT-95	13-NOV-95	<	4.2	UGL
RNA'S IN WATER BY GC/MS	UM18	MDZM12X3	4BRPPE	DV4W*275	WDHI	02-NOV-95	05-DEC-95	<	4.2	UGL
RNA'S IN WATER BY GC/MS	UM18	MDZM12X3	4BRPPE	DV4W*450	WDHI	02-NOV-95	05-DEC-95	<	4.2	UGL
RNA'S IN WATER BY GC/MS	UM18	MD5703XX	4BRPPE	DV4W*432	WDWH	13-SEP-95	27-SEP-95	<	4.2	UGL
RNA'S IN WATER BY GC/MS	UM18	MD5703XX	4BRPPE	DV4W*202	WDWH	13-SEP-95	26-SEP-95	<	4.2	UGL
RNA'S IN WATER BY GC/MS	UM18	MDX03X1	4CANIL	DV4W*447	WDPI	31-OCT-95	13-NOV-95	<	7.3	UGL
RNA'S IN WATER BY GC/MS	UM18	MDX03X1	4CANIL	DV4W*235	WDPI	31-OCT-95	13-NOV-95	<	7.3	UGL
RNA'S IN WATER BY GC/MS	UM18	MDG07X1	4CANIL	DV4W*165	WDPI	31-OCT-95	13-NOV-95	<	7.3	UGL
RNA'S IN WATER BY GC/MS	UM18	MDG07X1	4CANIL	DV4W*448	WDPI	31-OCT-95	13-NOV-95	<	7.3	UGL
RNA'S IN WATER BY GC/MS	UM18	MDZM12X3	4CANIL	DV4W*275	WDHI	02-NOV-95	05-DEC-95	<	7.3	UGL
RNA'S IN WATER BY GC/MS	UM18	MDZM12X3	4CANIL	DV4W*450	WDHI	02-NOV-95	05-DEC-95	<	7.3	UGL
RNA'S IN WATER BY GC/MS	UM18	MD5703XX	4CANIL	DV4W*432	WDWH	13-SEP-95	26-SEP-95	<	7.3	UGL
RNA'S IN WATER BY GC/MS	UM18	MD5703XX	4CANIL	DV4W*202	WDWH	13-SEP-95	27-SEP-95	<	7.3	UGL
RNA'S IN WATER BY GC/MS	UM18	MDX03X1	4CL3C	DV4W*447	WDPI	31-OCT-95	13-NOV-95	<	4	UGL
RNA'S IN WATER BY GC/MS	UM18	MDX03X1	4CL3C	DV4W*235	WDPI	31-OCT-95	13-NOV-95	<	4	UGL
RNA'S IN WATER BY GC/MS	UM18	MDG07X1	4CL3C	DV4W*448	WDPI	31-OCT-95	13-NOV-95	<	4	UGL
RNA'S IN WATER BY GC/MS	UM18	MDG07X1	4CL3C	DV4W*165	WDPI	31-OCT-95	13-NOV-95	<	4	UGL
RNA'S IN WATER BY GC/MS	UM18	MDZM12X3	4CL3C	DV4W*275	WDHI	02-NOV-95	05-DEC-95	<	4	UGL
RNA'S IN WATER BY GC/MS	UM18	MDZM12X3	4CL3C	DV4W*450	WDHI	02-NOV-95	05-DEC-95	<	4	UGL
RNA'S IN WATER BY GC/MS	UM18	MD5703XX	4CL3C	DV4W*432	WDWH	13-SEP-95	27-SEP-95	<	4	UGL
RNA'S IN WATER BY GC/MS	UM18	MD5703XX	4CL3C	DV4W*202	WDWH	13-SEP-95	26-SEP-95	<	4	UGL
RNA'S IN WATER BY GC/MS	UM18	MDX03X1	4CLPPE	DV4W*447	WDPI	31-OCT-95	13-NOV-95	<	5.1	UGL
RNA'S IN WATER BY GC/MS	UM18	MDX03X1	4CLPPE	DV4W*235	WDPI	31-OCT-95	13-NOV-95	<	5.1	UGL
RNA'S IN WATER BY GC/MS	UM18	MDG07X1	4CLPPE	DV4W*448	WDPI	31-OCT-95	13-NOV-95	<	5.1	UGL
RNA'S IN WATER BY GC/MS	UM18	MDG07X1	4CLPPE	DV4W*165	WDPI	31-OCT-95	13-NOV-95	<	5.1	UGL
RNA'S IN WATER BY GC/MS	UM18	MDZM12X3	4CLPPE	DV4W*275	WDHI	02-NOV-95	05-DEC-95	<	5.1	UGL
RNA'S IN WATER BY GC/MS	UM18	MDZM12X3	4CLPPE	DV4W*450	WDHI	02-NOV-95	05-DEC-95	<	5.1	UGL
RNA'S IN WATER BY GC/MS	UM18	MD5703XX	4CLPPE	DV4W*432	WDWH	13-SEP-95	27-SEP-95	<	5.1	UGL
RNA'S IN WATER BY GC/MS	UM18	MD5703XX	4CLPPE	DV4W*202	WDWH	13-SEP-95	26-SEP-95	<	5.1	UGL

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 2, 7 Sites

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Number	Sample			Analysis Date	<	Value Units	RPD
				Lab Number	Lot	Date				
BNA'S IN WATER BY GC/MS	UM18	4CLPPE	WD5703XX	DVAW*432	WDWH	13-SEP-95	27-SEP-95	<	5.1 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	4MP	MDAX03X1	DVAW*447	WDPI	31-OCT-95	13-NOV-95	<	.52 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	4MP	MDAX03X1	DVAW*235	WDPI	31-OCT-95	13-NOV-95	<	.52 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	4MP	MDG307X1	DVAW*448	WDPI	31-OCT-95	13-NOV-95	<	.52 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	4MP	MDG307X1	DVAW*165	WDPI	31-OCT-95	13-NOV-95	<	.52 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	4MP	MDZM12X3	DVAW*275	WDHI	02-NOV-95	05-DEC-95	<	.52 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	4MP	MDZM12X3	DVAW*450	WDHI	02-NOV-95	05-DEC-95	<	.52 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	4MP	WD5703XX	DVAW*432	WDWH	13-SEP-95	27-SEP-95	<	.52 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	4MP	MDZM12X3	DVAW*202	WDWH	13-SEP-95	26-SEP-95	<	.52 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	4MP	MDAX03X1	DVAW*447	WDPI	31-OCT-95	13-NOV-95	<	5.2 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	4MP	MDAX03X1	DVAW*235	WDPI	31-OCT-95	13-NOV-95	<	5.2 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	4MP	MDG307X1	DVAW*165	WDPI	31-OCT-95	13-NOV-95	<	5.2 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	4MP	MDG307X1	DVAW*448	WDPI	31-OCT-95	13-NOV-95	<	5.2 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	4MP	MDZM12X3	DVAW*450	WDHI	02-NOV-95	05-DEC-95	<	5.2 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	4MP	MDZM12X3	DVAW*275	WDHI	02-NOV-95	05-DEC-95	<	5.2 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	4MP	WD5703XX	DVAW*432	WDWH	13-SEP-95	26-SEP-95	<	5.2 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	4MP	MDZM12X3	DVAW*202	WDWH	13-SEP-95	27-SEP-95	<	5.2 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	4MP	MDAX03X1	DVAW*447	WDPI	31-OCT-95	13-NOV-95	<	12 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	4MP	MDAX03X1	DVAW*235	WDPI	31-OCT-95	13-NOV-95	<	12 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	4MP	MDG307X1	DVAW*448	WDPI	31-OCT-95	13-NOV-95	<	12 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	4MP	MDG307X1	DVAW*165	WDPI	31-OCT-95	13-NOV-95	<	12 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	4MP	MDZM12X3	DVAW*450	WDHI	02-NOV-95	05-DEC-95	<	12 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	4MP	MDZM12X3	DVAW*275	WDHI	02-NOV-95	05-DEC-95	<	12 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	4MP	WD5703XX	DVAW*432	WDWH	13-SEP-95	27-SEP-95	<	12 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	4MP	MDZM12X3	DVAW*202	WDWH	13-SEP-95	26-SEP-95	<	12 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	ABHC	MDAX03X1	DVAW*447	WDPI	31-OCT-95	13-NOV-95	<	4 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	ABHC	MDAX03X1	DVAW*235	WDPI	31-OCT-95	13-NOV-95	<	4 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	ABHC	MDG307X1	DVAW*165	WDPI	31-OCT-95	13-NOV-95	<	4 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	ABHC	MDG307X1	DVAW*448	WDPI	31-OCT-95	13-NOV-95	<	4 UGL	0.0

Group 2, 7 sites

SAMPLE DUBLICATES (NON-FILTERED SAMPLES)

IRDMIS		IRDMIS		IRDMIS					
Method	Test	Field		Lab	Sample	Analysis	Value	Units	RPD
Code	Name	Number	Lot	Date	Date	Date	<	<	<
UM18	ABHC	M02M12X3	DV4W*450	WDHI	02-NOV-95	05-DEC-95	<	4	UGL
UM18	ABHC	M02M12X3	DV4W*275	WDHI	02-NOV-95	05-DEC-95	<	4	UGL
UM18	ABHC	M05703XX	DV4W*202	MDWH	13-SEP-95	26-SEP-95	<	4	UGL
UM18	ABHC	M05703XX	DV4W*432	MDWH	13-SEP-95	27-SEP-95	<	4	UGL
UM18	ACLDAN	MDAX03X1	DV4W*447	MDPI	31-OCT-95	13-NOV-95	<	5.1	UGL
UM18	ACLDAN	MDAX03X1	DV4W*235	MDPI	31-OCT-95	13-NOV-95	<	5.1	UGL
UM18	ACLDAN	MKG307X1	DV4W*165	MDPI	31-OCT-95	13-NOV-95	<	5.1	UGL
UM18	ACLDAN	MKG307X1	DV4W*448	MDPI	31-OCT-95	13-NOV-95	<	5.1	UGL
UM18	ACLDAN	M02M12X3	DV4W*450	WDHI	02-NOV-95	05-DEC-95	<	5.1	UGL
UM18	ACLDAN	MKZM12X3	DV4W*275	WDHI	02-NOV-95	05-DEC-95	<	5.1	UGL
UM18	ACLDAN	M05703XX	DV4W*202	MDWH	13-SEP-95	26-SEP-95	<	5.1	UGL
UM18	ACLDAN	M05703XX	DV4W*432	MDWH	13-SEP-95	27-SEP-95	<	5.1	UGL
UM18	AENSLP	MDAX03X1	DV4W*447	MDPI	31-OCT-95	13-NOV-95	<	9.2	UGL
UM18	AENSLP	MDAX03X1	DV4W*235	MDPI	31-OCT-95	13-NOV-95	<	9.2	UGL
UM18	AENSLP	MKG307X1	DV4W*165	MDPI	31-OCT-95	13-NOV-95	<	9.2	UGL
UM18	AENSLP	MKG307X1	DV4W*448	MDPI	31-OCT-95	13-NOV-95	<	9.2	UGL
UM18	AENSLP	M02M12X3	DV4W*450	WDHI	02-NOV-95	05-DEC-95	<	9.2	UGL
UM18	AENSLP	MKZM12X3	DV4W*275	WDHI	02-NOV-95	05-DEC-95	<	9.2	UGL
UM18	AENSLP	M05703XX	DV4W*202	MDWH	13-SEP-95	26-SEP-95	<	9.2	UGL
UM18	AENSLP	M05703XX	DV4W*432	MDWH	13-SEP-95	27-SEP-95	<	9.2	UGL
UM18	ALDRN	MDAX03X1	DV4W*447	MDPI	31-OCT-95	13-NOV-95	<	4.7	UGL
UM18	ALDRN	MDAX03X1	DV4W*235	MDPI	31-OCT-95	13-NOV-95	<	4.7	UGL
UM18	ALDRN	MKG307X1	DV4W*448	MDPI	31-OCT-95	13-NOV-95	<	4.7	UGL
UM18	ALDRN	MKG307X1	DV4W*165	MDPI	31-OCT-95	13-NOV-95	<	4.7	UGL
UM18	ALDRN	M02M12X3	DV4W*450	WDHI	02-NOV-95	05-DEC-95	<	4.7	UGL
UM18	ALDRN	MKZM12X3	DV4W*275	WDHI	02-NOV-95	05-DEC-95	<	4.7	UGL
UM18	ALDRN	M05703XX	DV4W*202	MDWH	13-SEP-95	26-SEP-95	<	4.7	UGL
UM18	ALDRN	M05703XX	DV4W*432	MDWH	13-SEP-95	27-SEP-95	<	4.7	UGL
UM18	ANAPNE	MDAX03X1	DV4W*447	MDPI	31-OCT-95	13-NOV-95	<	1.7	UGL
UM18	ANAPNE	MDAX03X1	DV4W*235	MDPI	31-OCT-95	13-NOV-95	<	1.7	UGL

SAMPLE DUBLICATES (NON-FILTERED SAMPLES)

[illegible]

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field	Analysis					RFD
				Sample Number	Lab Number	Lot	Sample Date	Analysis Date	
BNA'S IN WATER BY GC/MS	UM18	B2CEM	WD5703XX	DV4W*432	NDMH	13-SRP-95	27-SEP-95	1.5 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	B2CIPB	MDAX03X1	DV4W*447	WDPI	31-OCT-95	13-NOV-95	5.3 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	B2CIPB	MDAX03X1	DV4W*235	WDPI	31-OCT-95	13-NOV-95	5.3 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	B2CIPB	MXG307X1	DV4W*165	WDPI	31-OCT-95	13-NOV-95	5.3 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	B2CIPB	MDG307X1	DV4W*448	WDPI	31-OCT-95	13-NOV-95	5.3 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	B2CIPB	MDZM12X3	DV4W*275	WDHI	02-NOV-95	05-DEC-95	5.3 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	B2CIPB	MDZM12X3	DV4W*450	WDHI	02-NOV-95	05-DEC-95	5.3 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	B2CIPB	WD5703XX	DV4W*432	NDMH	13-SRP-95	27-SEP-95	5.3 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	B2CIPB	MXS703XX	DV4W*202	NDMH	13-SRP-95	26-SEP-95	5.3 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	B2CLBB	MDAX03X1	DV4W*447	WDPI	31-OCT-95	13-NOV-95	1.9 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	B2CLBB	MDAX03X1	DV4W*235	WDPI	31-OCT-95	13-NOV-95	1.9 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	B2CLBB	MXG307X1	DV4W*448	WDPI	31-OCT-95	13-NOV-95	1.9 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	B2CLBB	MXG307X1	DV4W*165	WDPI	31-OCT-95	13-NOV-95	1.9 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	B2CLBB	MDZM12X3	DV4W*450	WDHI	02-NOV-95	05-DEC-95	1.9 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	B2CLBB	MDZM12X3	DV4W*275	WDHI	02-NOV-95	05-DEC-95	1.9 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	B2CLBB	MXS703XX	DV4W*202	NDMH	13-SRP-95	26-SEP-95	1.9 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	B2CLBB	WD5703XX	DV4W*432	NDMH	13-SRP-95	27-SEP-95	1.9 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	B2BHP	MDAX03X1	DV4W*447	WDPI	31-OCT-95	13-NOV-95	4.8 UGL	6.5
BNA'S IN WATER BY GC/MS	UM18	B2BHP	MDAX03X1	DV4W*235	WDPI	31-OCT-95	13-NOV-95	4.5 UGL	6.5
BNA'S IN WATER BY GC/MS	UM18	B2BHP	MXG307X1	DV4W*165	WDPI	31-OCT-95	13-NOV-95	4.8 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	B2BHP	MDG307X1	DV4W*448	WDPI	31-OCT-95	13-NOV-95	4.8 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	B2BHP	MXZM12X3	DV4W*275	WDHI	02-NOV-95	05-DEC-95	4.8 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	B2BHP	MDZM12X3	DV4W*450	WDHI	02-NOV-95	05-DEC-95	4.8 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	B2BHP	WD5703XX	DV4W*432	NDMH	13-SRP-95	27-SEP-95	4.8 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	B2BHP	MXS703XX	DV4W*202	NDMH	13-SRP-95	26-SEP-95	4.8 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BAANTR	MDAX03X1	DV4W*447	WDPI	31-OCT-95	13-NOV-95	1.6 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BAANTR	MDAX03X1	DV4W*235	WDPI	31-OCT-95	13-NOV-95	1.6 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BAANTR	MXG307X1	DV4W*448	WDPI	31-OCT-95	13-NOV-95	1.6 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BAANTR	MDG307X1	DV4W*165	WDPI	31-OCT-95	13-NOV-95	1.6 UGL	0.0

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 2, 7 Sites

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

Method Description	IRMIS Method Code	Test Name	IRMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value	Units	RPD
BNA'S IN WATER BY GC/MS	UM18	BAANTR	MDX03X1	DV4W*275	MDHI	02-NOV-95	05-DEC-95	<	1.6 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BAANTR	MDX03X1	DV4W*450	MDHI	02-NOV-95	05-DEC-95	<	1.6 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BAANTR	MDX03X1	DV4W*202	MDWH	13-SEP-95	26-SEP-95	<	1.6 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BAANTR	MDX03X1	DV4W*432	MDWH	13-SEP-95	27-SEP-95	<	1.6 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BAANTR	MDX03X1	DV4W*235	MDPI	31-OCT-95	13-NOV-95	<	4.7 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BAANTR	MDX03X1	DV4W*165	MDPI	31-OCT-95	13-NOV-95	<	4.7 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BAANTR	MDX03X1	DV4W*448	MDPI	31-OCT-95	13-NOV-95	<	4.7 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BAANTR	MDX03X1	DV4W*275	MDHI	02-NOV-95	05-DEC-95	<	4.7 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BAANTR	MDX03X1	DV4W*450	MDHI	02-NOV-95	05-DEC-95	<	4.7 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BAANTR	MDX03X1	DV4W*432	MDWH	13-SEP-95	27-SEP-95	<	4.7 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BAANTR	MDX03X1	DV4W*202	MDWH	13-SEP-95	26-SEP-95	<	4.7 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BBPANT	MDX03X1	DV4W*447	MDPI	31-OCT-95	13-NOV-95	<	5.4 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BBPANT	MDX03X1	DV4W*235	MDPI	31-OCT-95	13-NOV-95	<	5.4 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BBPANT	MDX03X1	DV4W*448	MDPI	31-OCT-95	13-NOV-95	<	5.4 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BBPANT	MDX03X1	DV4W*165	MDPI	31-OCT-95	13-NOV-95	<	5.4 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BBPANT	MDX03X1	DV4W*450	MDHI	02-NOV-95	05-DEC-95	<	5.4 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BBPANT	MDX03X1	DV4W*275	MDHI	02-NOV-95	05-DEC-95	<	5.4 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BBPANT	MDX03X1	DV4W*202	MDWH	13-SEP-95	26-SEP-95	<	5.4 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BBPANT	MDX03X1	DV4W*432	MDWH	13-SEP-95	27-SEP-95	<	5.4 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BBHC	MDX03X1	DV4W*447	MDPI	31-OCT-95	13-NOV-95	<	4 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BBHC	MDX03X1	DV4W*235	MDPI	31-OCT-95	13-NOV-95	<	4 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BBHC	MDX03X1	DV4W*448	MDPI	31-OCT-95	13-NOV-95	<	4 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BBHC	MDX03X1	DV4W*165	MDPI	31-OCT-95	13-NOV-95	<	4 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BBHC	MDX03X1	DV4W*450	MDHI	02-NOV-95	05-DEC-95	<	4 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BBHC	MDX03X1	DV4W*275	MDHI	02-NOV-95	05-DEC-95	<	4 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BBHC	MDX03X1	DV4W*202	MDWH	13-SEP-95	26-SEP-95	<	4 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BBHC	MDX03X1	DV4W*432	MDWH	13-SEP-95	27-SEP-95	<	4 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BBZP	MDX03X1	DV4W*447	MDPI	31-OCT-95	13-NOV-95	<	3.4 UGL	0.0

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

IRMIS			IRMIS			IRMIS		
Method	Test	Field	Method	Test	Field	Method	Test	Field
Code	Name	Sample Number	Code	Name	Sample Number	Code	Name	Sample Number
Method Description								
Lab Number Lot Sample Date Analysis Date Value Units RPD								
U18	BB2P	MXA03X1	U18	BB2P	MXA03X1	U18	BB2P	MXA03X1
U18	BB2P	MXG07X1	U18	BB2P	MXG07X1	U18	BB2P	MXG07X1
U18	BB2P	MDG30X1	U18	BB2P	MDG30X1	U18	BB2P	MDG30X1
U18	BB2P	MXZM12X3	U18	BB2P	MXZM12X3	U18	BB2P	MXZM12X3
U18	BB2P	MDZM12X3	U18	BB2P	MDZM12X3	U18	BB2P	MDZM12X3
U18	BB2P	WD5703XX	U18	BB2P	WD5703XX	U18	BB2P	WD5703XX
U18	BB2P	WX5703XX	U18	BB2P	WX5703XX	U18	BB2P	WX5703XX
U18	BENSLP	MDAX03X1	U18	BENSLP	MDAX03X1	U18	BENSLP	MDAX03X1
U18	BENSLP	MXA03X1	U18	BENSLP	MXA03X1	U18	BENSLP	MXA03X1
U18	BENSLP	MDG30X1	U18	BENSLP	MDG30X1	U18	BENSLP	MDG30X1
U18	BENSLP	MXG07X1	U18	BENSLP	MXG07X1	U18	BENSLP	MXG07X1
U18	BENSLP	MDZM12X3	U18	BENSLP	MDZM12X3	U18	BENSLP	MDZM12X3
U18	BENSLP	MXZM12X3	U18	BENSLP	MXZM12X3	U18	BENSLP	MXZM12X3
U18	BENSLP	WD5703XX	U18	BENSLP	WD5703XX	U18	BENSLP	WD5703XX
U18	BENSLP	WX5703XX	U18	BENSLP	WX5703XX	U18	BENSLP	WX5703XX
U18	BENZID	MDAX03X1	U18	BENZID	MDAX03X1	U18	BENZID	MDAX03X1
U18	BENZID	MXA03X1	U18	BENZID	MXA03X1	U18	BENZID	MXA03X1
U18	BENZID	MDG30X1	U18	BENZID	MDG30X1	U18	BENZID	MDG30X1
U18	BENZID	MXG07X1	U18	BENZID	MXG07X1	U18	BENZID	MXG07X1
U18	BENZID	MDZM12X3	U18	BENZID	MDZM12X3	U18	BENZID	MDZM12X3
U18	BENZID	MXZM12X3	U18	BENZID	MXZM12X3	U18	BENZID	MXZM12X3
U18	BENZID	WD5703XX	U18	BENZID	WD5703XX	U18	BENZID	WD5703XX
U18	BENZID	WX5703XX	U18	BENZID	WX5703XX	U18	BENZID	WX5703XX
U18	BENZO	MDAX03X1	U18	BENZO	MDAX03X1	U18	BENZO	MDAX03X1
U18	BENZO	MXA03X1	U18	BENZO	MXA03X1	U18	BENZO	MXA03X1
U18	BENZO	MDG30X1	U18	BENZO	MDG30X1	U18	BENZO	MDG30X1
U18	BENZO	MXG07X1	U18	BENZO	MXG07X1	U18	BENZO	MXG07X1
U18	BENZO	MDZM12X3	U18	BENZO	MDZM12X3	U18	BENZO	MDZM12X3
U18	BENZO	MXZM12X3	U18	BENZO	MXZM12X3	U18	BENZO	MXZM12X3
U18	BENZO	WD5703XX	U18	BENZO	WD5703XX	U18	BENZO	WD5703XX
U18	BENZO	WX5703XX	U18	BENZO	WX5703XX	U18	BENZO	WX5703XX

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 2, 7 Sites

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	<	Value Units	RPD
BNA'S IN WATER BY GC/MS	UM18	BENZOA	WD5703XX	DV4N*432	WDWH	13-SEP-95	27-SEP-95	<	13 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BGHIPI	MDAX03X1	DV4N*447	WDPI	31-OCT-95	13-NOV-95	<	6.1 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BGHIPI	MDAX03X1	DV4N*235	WDPI	31-OCT-95	13-NOV-95	<	6.1 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BGHIPI	MDXG07X1	DV4N*165	WDPI	31-OCT-95	13-NOV-95	<	6.1 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BGHIPI	MDXG07X1	DV4N*448	WDPI	31-OCT-95	13-NOV-95	<	6.1 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BGHIPI	MDXG07X1	DV4N*275	WDHI	02-NOV-95	05-DEC-95	<	6.1 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BGHIPI	MDZM12X3	DV4N*450	WDHI	02-NOV-95	05-DEC-95	<	6.1 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BGHIPI	MDZM12X3	DV4N*432	WDWH	13-SEP-95	27-SEP-95	<	6.1 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BGHIPI	WD5703XX	DV4N*202	WDWH	13-SEP-95	26-SEP-95	<	6.1 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BKFPNT	MDAX03X1	DV4N*447	WDPI	31-OCT-95	13-NOV-95	<	.87 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BKFPNT	MDAX03X1	DV4N*235	WDPI	31-OCT-95	13-NOV-95	<	.87 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BKFPNT	MDXG07X1	DV4N*448	WDPI	31-OCT-95	13-NOV-95	<	.87 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BKFPNT	MDXG07X1	DV4N*165	WDPI	31-OCT-95	13-NOV-95	<	.87 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BKFPNT	MDZM12X3	DV4N*450	WDHI	02-NOV-95	05-DEC-95	<	.87 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BKFPNT	MDZM12X3	DV4N*275	WDHI	02-NOV-95	05-DEC-95	<	.87 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BKFPNT	WD5703XX	DV4N*202	WDWH	13-SEP-95	26-SEP-95	<	.87 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BKFPNT	WD5703XX	DV4N*432	WDWH	13-SEP-95	27-SEP-95	<	.87 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BZALC	MDAX03X1	DV4N*447	WDPI	31-OCT-95	13-NOV-95	<	.72 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BZALC	MDAX03X1	DV4N*235	WDPI	31-OCT-95	13-NOV-95	<	.72 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BZALC	MDXG07X1	DV4N*448	WDPI	31-OCT-95	13-NOV-95	<	.72 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BZALC	MDXG07X1	DV4N*165	WDPI	31-OCT-95	13-NOV-95	<	.72 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BZALC	MDZM12X3	DV4N*450	WDHI	02-NOV-95	05-DEC-95	<	.72 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BZALC	MDZM12X3	DV4N*275	WDHI	02-NOV-95	05-DEC-95	<	.72 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BZALC	WD5703XX	DV4N*202	WDWH	13-SEP-95	26-SEP-95	<	.72 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	BZALC	WD5703XX	DV4N*432	WDWH	13-SEP-95	27-SEP-95	<	.72 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	CARBAZ	MDAX03X1	DV4N*447	WDPI	31-OCT-95	13-NOV-95	<	2 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	CARBAZ	MDAX03X1	DV4N*235	WDPI	31-OCT-95	13-NOV-95	<	2 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	CARBAZ	MDXG07X1	DV4N*165	WDPI	31-OCT-95	13-NOV-95	<	2 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	CARBAZ	MDXG07X1	DV4N*448	WDPI	31-OCT-95	13-NOV-95	<	2 UGL	0.0

Chemical Quality Control Report
Installation: Port Devens, MA (DV)
Group 2, 7 Sites

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value	Units	RPD
BNA'S IN WATER BY GC/MS	UM18	CARBZ	MDZM12X3	DV4W*450	MDHI	02-NOV-95	05-DEC-95	<	2 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	CARBZ	MDZM12X3	DV4W*275	MDHI	02-NOV-95	05-DEC-95	<	2 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	CARBZ	MDZM12X3	DV4W*202	MDHI	13-SEP-95	26-SEP-95	<	2 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	CARBZ	MDZM12X3	DV4W*432	MDHI	13-SEP-95	27-SEP-95	<	2 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	CHRY	MDAX03X1	DV4W*447	MDPI	31-OCT-95	13-NOV-95	<	2.4 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	CHRY	MDAX03X1	DV4W*235	MDPI	31-OCT-95	13-NOV-95	<	2.4 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	CHRY	MDG07X1	DV4W*448	MDPI	31-OCT-95	13-NOV-95	<	2.4 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	CHRY	MDG07X1	DV4W*165	MDPI	31-OCT-95	13-NOV-95	<	2.4 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	CHRY	MDZM12X3	DV4W*450	MDHI	02-NOV-95	05-DEC-95	<	2.4 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	CHRY	MDZM12X3	DV4W*275	MDHI	02-NOV-95	05-DEC-95	<	2.4 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	CHRY	MDZM12X3	DV4W*202	MDHI	13-SEP-95	26-SEP-95	<	2.4 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	CHRY	MDZM12X3	DV4W*432	MDHI	13-SEP-95	27-SEP-95	<	2.4 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	CL6BZ	MDAX03X1	DV4W*447	MDPI	31-OCT-95	13-NOV-95	<	1.6 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	CL6BZ	MDAX03X1	DV4W*235	MDPI	31-OCT-95	13-NOV-95	<	1.6 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	CL6BZ	MDG07X1	DV4W*448	MDPI	31-OCT-95	13-NOV-95	<	1.6 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	CL6BZ	MDG07X1	DV4W*165	MDPI	31-OCT-95	13-NOV-95	<	1.6 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	CL6BZ	MDZM12X3	DV4W*450	MDHI	02-NOV-95	05-DEC-95	<	1.6 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	CL6BZ	MDZM12X3	DV4W*275	MDHI	02-NOV-95	05-DEC-95	<	1.6 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	CL6BZ	MDZM12X3	DV4W*202	MDHI	13-SEP-95	26-SEP-95	<	1.6 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	CL6BZ	MDZM12X3	DV4W*432	MDHI	13-SEP-95	27-SEP-95	<	1.6 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	CL6CP	MDAX03X1	DV4W*447	MDPI	31-OCT-95	13-NOV-95	<	8.6 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	CL6CP	MDAX03X1	DV4W*235	MDPI	31-OCT-95	13-NOV-95	<	8.6 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	CL6CP	MDG07X1	DV4W*448	MDPI	31-OCT-95	13-NOV-95	<	8.6 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	CL6CP	MDG07X1	DV4W*165	MDPI	31-OCT-95	13-NOV-95	<	8.6 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	CL6CP	MDZM12X3	DV4W*450	MDHI	02-NOV-95	05-DEC-95	<	8.6 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	CL6CP	MDZM12X3	DV4W*275	MDHI	02-NOV-95	05-DEC-95	<	8.6 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	CL6CP	MDZM12X3	DV4W*202	MDHI	13-SEP-95	26-SEP-95	<	8.6 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	CL6CP	MDZM12X3	DV4W*432	MDHI	13-SEP-95	27-SEP-95	<	8.6 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	CL6BT	MDAX03X1	DV4W*447	MDPI	31-OCT-95	13-NOV-95	<	1.5 UGL	0.0

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 2, 7 Sites

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Number	Lab Number	Lot	Sample Date	Analysis Date	Value	Units	RPD
BNA'S IN WATER BY GC/MS	UM18	CL6ET	MDX03X1	DV4W*235	MDPI	31-OCT-95	13-NOV-95	<	1.5 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	CL6ET	MDX07X1	DV4W*448	MDPI	31-OCT-95	13-NOV-95	<	1.5 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	CL6ET	MDX07X1	DV4W*165	MDPI	31-OCT-95	13-NOV-95	<	1.5 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	CL6ET	MDX07X1	DV4W*450	MDHI	02-NOV-95	05-DEC-95	<	1.5 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	CL6ET	MDX07X1	DV4W*275	MDHI	02-NOV-95	05-DEC-95	<	1.5 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	CL6ET	MDX07X1	DV4W*202	MDWH	13-SEP-95	26-SEP-95	<	1.5 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	CL6ET	MDX07X1	DV4W*432	MDWH	13-SEP-95	27-SEP-95	<	1.5 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	DBAHA	MDX03X1	DV4W*447	MDPI	31-OCT-95	13-NOV-95	<	6.5 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	DBAHA	MDX07X1	DV4W*235	MDPI	31-OCT-95	13-NOV-95	<	6.5 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	DBAHA	MDX07X1	DV4W*165	MDPI	31-OCT-95	13-NOV-95	<	6.5 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	DBAHA	MDX07X1	DV4W*448	MDPI	31-OCT-95	13-NOV-95	<	6.5 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	DBAHA	MDX07X1	DV4W*450	MDHI	02-NOV-95	05-DEC-95	<	6.5 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	DBAHA	MDX07X1	DV4W*275	MDHI	02-NOV-95	05-DEC-95	<	6.5 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	DBAHA	MDX07X1	DV4W*202	MDWH	13-SEP-95	26-SEP-95	<	6.5 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	DBAHA	MDX07X1	DV4W*432	MDWH	13-SEP-95	27-SEP-95	<	6.5 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	DBHC	MDX03X1	DV4W*447	MDPI	31-OCT-95	13-NOV-95	<	4 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	DBHC	MDX07X1	DV4W*235	MDPI	31-OCT-95	13-NOV-95	<	4 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	DBHC	MDX07X1	DV4W*165	MDPI	31-OCT-95	13-NOV-95	<	4 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	DBHC	MDX07X1	DV4W*448	MDPI	31-OCT-95	13-NOV-95	<	4 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	DBHC	MDX07X1	DV4W*450	MDHI	02-NOV-95	05-DEC-95	<	4 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	DBHC	MDX07X1	DV4W*275	MDHI	02-NOV-95	05-DEC-95	<	4 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	DBHC	MDX07X1	DV4W*202	MDWH	13-SEP-95	26-SEP-95	<	4 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	DBHC	MDX07X1	DV4W*432	MDWH	13-SEP-95	27-SEP-95	<	4 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	DBZFUR	MDX03X1	DV4W*447	MDPI	31-OCT-95	13-NOV-95	<	1.7 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	DBZFUR	MDX07X1	DV4W*235	MDPI	31-OCT-95	13-NOV-95	<	1.7 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	DBZFUR	MDX07X1	DV4W*165	MDPI	31-OCT-95	13-NOV-95	<	1.7 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	DBZFUR	MDX07X1	DV4W*448	MDPI	31-OCT-95	13-NOV-95	<	1.7 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	DBZFUR	MDX07X1	DV4W*450	MDHI	02-NOV-95	05-DEC-95	<	1.7 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	DBZFUR	MDX07X1	DV4W*275	MDHI	02-NOV-95	05-DEC-95	<	1.7 UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	DBZFUR	MDX07X1	DV4W*202	MDWH	13-SEP-95	26-SEP-95	<	1.7 UGL	0.0

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 2, 7 Sites

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value	Units	RPD
RNA'S IN WATER BY GC/MS	UM18	D6ZFUR	WD5703XX	DV4N*432	MDMH	13-SEP-95	27-SEP-95	1.7	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	DEP	MDAX03X1	DV4N*447	MDPI	31-OCT-95	13-NOV-95	2	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	DEP	MDAX03X1	DV4N*235	MDPI	31-OCT-95	13-NOV-95	2	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	DEP	MDG07X1	DV4N*165	MDPI	31-OCT-95	13-NOV-95	2.4	UGL	18.2
RNA'S IN WATER BY GC/MS	UM18	DEP	MDG07X1	DV4N*448	MDPI	31-OCT-95	13-NOV-95	2	UGL	18.2
RNA'S IN WATER BY GC/MS	UM18	DEP	MDZM12X3	DV4N*275	MDHI	02-NOV-95	05-DEC-95	2	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	DEP	MDZM12X3	DV4N*450	MDHI	02-NOV-95	05-DEC-95	2	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	DEP	WD5703XX	DV4N*432	MDMH	13-SEP-95	27-SEP-95	2	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	DEP	WD5703XX	DV4N*202	MDMH	13-SEP-95	26-SEP-95	2	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	DLDN	MDAX03X1	DV4N*447	MDPI	31-OCT-95	13-NOV-95	4.7	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	DLDN	MDAX03X1	DV4N*235	MDPI	31-OCT-95	13-NOV-95	4.7	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	DLDN	MDG07X1	DV4N*448	MDPI	31-OCT-95	13-NOV-95	4.7	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	DLDN	MDG07X1	DV4N*165	MDPI	31-OCT-95	13-NOV-95	4.7	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	DLDN	MDZM12X3	DV4N*450	MDHI	02-NOV-95	05-DEC-95	4.7	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	DLDN	MDZM12X3	DV4N*275	MDHI	02-NOV-95	05-DEC-95	4.7	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	DLDN	WD5703XX	DV4N*202	MDMH	13-SEP-95	26-SEP-95	4.7	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	DLDN	WD5703XX	DV4N*432	MDMH	13-SEP-95	27-SEP-95	4.7	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	DMP	MDAX03X1	DV4N*447	MDPI	31-OCT-95	13-NOV-95	1.5	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	DMP	MDAX03X1	DV4N*235	MDPI	31-OCT-95	13-NOV-95	1.5	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	DMP	MDG07X1	DV4N*165	MDPI	31-OCT-95	13-NOV-95	1.5	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	DMP	MDG07X1	DV4N*448	MDPI	31-OCT-95	13-NOV-95	1.5	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	DMP	MDZM12X3	DV4N*275	MDHI	02-NOV-95	05-DEC-95	1.5	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	DMP	MDZM12X3	DV4N*450	MDHI	02-NOV-95	05-DEC-95	1.5	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	DMP	WD5703XX	DV4N*432	MDMH	13-SEP-95	27-SEP-95	1.5	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	DMP	WD5703XX	DV4N*202	MDMH	13-SEP-95	26-SEP-95	1.5	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	DNEP	MDAX03X1	DV4N*447	MDPI	31-OCT-95	13-NOV-95	3.7	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	DNEP	MDAX03X1	DV4N*235	MDPI	31-OCT-95	13-NOV-95	3.7	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	DNEP	MDG07X1	DV4N*448	MDPI	31-OCT-95	13-NOV-95	3.7	UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	DNEP	MDG07X1	DV4N*165	MDPI	31-OCT-95	13-NOV-95	3.7	UGL	0.0

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

0.0

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)



Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 2, 7 Sites

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	<	Value	Units	RPD
BNA'S IN WATER BY GC/MS	UM18	FLRENE	WD5703XX	DV4W*432	WDMH	13-SEP-95	27-SEP-95	<	3.7	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	GCIDAN	MDAX03X1	DV4W*447	WDFI	31-OCT-95	13-NOV-95	<	5.1	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	GCIDAN	MDAX03X1	DV4W*235	WDFI	31-OCT-95	13-NOV-95	<	5.1	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	GCIDAN	MDG307X1	DV4W*448	WDFI	31-OCT-95	13-NOV-95	<	5.1	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	GCIDAN	MDG307X1	DV4W*165	WDFI	31-OCT-95	13-NOV-95	<	5.1	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	GCIDAN	MDZM12X3	DV4W*450	WDFI	02-NOV-95	05-DEC-95	<	5.1	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	GCIDAN	MDZM12X3	DV4W*275	WDFI	02-NOV-95	05-DEC-95	<	5.1	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	GCIDAN	MDZM12X3	DV4W*202	WDFI	13-SEP-95	26-SEP-95	<	5.1	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	GCIDAN	MDZM12X3	DV4W*432	WDFI	13-SEP-95	27-SEP-95	<	5.1	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	HCBD	MDAX03X1	DV4W*447	WDFI	31-OCT-95	13-NOV-95	<	3.4	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	HCBD	MDAX03X1	DV4W*235	WDFI	31-OCT-95	13-NOV-95	<	3.4	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	HCBD	MDG307X1	DV4W*448	WDFI	31-OCT-95	13-NOV-95	<	3.4	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	HCBD	MDG307X1	DV4W*165	WDFI	31-OCT-95	13-NOV-95	<	3.4	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	HCBD	MDZM12X3	DV4W*450	WDFI	02-NOV-95	05-DEC-95	<	3.4	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	HCBD	MDZM12X3	DV4W*275	WDFI	02-NOV-95	05-DEC-95	<	3.4	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	HCBD	MDZM12X3	DV4W*202	WDFI	13-SEP-95	26-SEP-95	<	3.4	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	HCBD	MDZM12X3	DV4W*432	WDFI	13-SEP-95	27-SEP-95	<	3.4	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	HPCL	MDAX03X1	DV4W*447	WDFI	31-OCT-95	13-NOV-95	<	2	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	HPCL	MDAX03X1	DV4W*235	WDFI	31-OCT-95	13-NOV-95	<	2	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	HPCL	MDG307X1	DV4W*448	WDFI	31-OCT-95	13-NOV-95	<	2	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	HPCL	MDG307X1	DV4W*165	WDFI	31-OCT-95	13-NOV-95	<	2	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	HPCL	MDZM12X3	DV4W*450	WDFI	02-NOV-95	05-DEC-95	<	2	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	HPCL	MDZM12X3	DV4W*275	WDFI	02-NOV-95	05-DEC-95	<	2	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	HPCL	MDZM12X3	DV4W*202	WDFI	13-SEP-95	26-SEP-95	<	2	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	HPCL	MDZM12X3	DV4W*432	WDFI	13-SEP-95	27-SEP-95	<	2	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	HPCL	MDAX03X1	DV4W*447	WDFI	31-OCT-95	13-NOV-95	<	5	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	HPCL	MDAX03X1	DV4W*235	WDFI	31-OCT-95	13-NOV-95	<	5	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	HPCL	MDG307X1	DV4W*448	WDFI	31-OCT-95	13-NOV-95	<	5	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	HPCL	MDG307X1	DV4W*165	WDFI	31-OCT-95	13-NOV-95	<	5	UGL	0.0

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 2, 7 Sites

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

IRDMIS		Field		Lab		Sample		Analysis		Value Units		RPD	
Method	Test	Sample	Field	Number	Lot	Date	Date	Date	Date				
Code	Name	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number
Description													
RNA'S IN WATER BY GC/MS	HPCL	MDZM12X3	MDZM12X3	DV4M*450	MDHI	02-NOV-95	05-DEC-95	<	5	UGL	0.0		
RNA'S IN WATER BY GC/MS	HPCL	MXZM12X3	MXZM12X3	DV4M*275	MDHI	02-NOV-95	05-DEC-95	<	5	UGL	0.0		
RNA'S IN WATER BY GC/MS	HPCL	WX5703XX	WX5703XX	DV4M*202	MDWH	13-SEP-95	26-SEP-95	<	5	UGL	0.0		
RNA'S IN WATER BY GC/MS	HPCL	WD5703XX	WD5703XX	DV4M*432	MDWH	13-SEP-95	27-SEP-95	<	5	UGL	0.0		
RNA'S IN WATER BY GC/MS	ICDPR	MDAX03X1	MDAX03X1	DV4M*447	MDPI	31-OCT-95	13-NOV-95	<	8.6	UGL	0.0		
RNA'S IN WATER BY GC/MS	ICDPR	MXAX03X1	MXAX03X1	DV4M*235	MDPI	31-OCT-95	13-NOV-95	<	8.6	UGL	0.0		
RNA'S IN WATER BY GC/MS	ICDPR	MXG07X1	MXG07X1	DV4M*165	MDPI	31-OCT-95	13-NOV-95	<	8.6	UGL	0.0		
RNA'S IN WATER BY GC/MS	ICDPR	MDG07X1	MDG07X1	DV4M*448	MDPI	31-OCT-95	13-NOV-95	<	8.6	UGL	0.0		
RNA'S IN WATER BY GC/MS	ICDPR	MXZM12X3	MXZM12X3	DV4M*275	MDHI	02-NOV-95	05-DEC-95	<	8.6	UGL	0.0		
RNA'S IN WATER BY GC/MS	ICDPR	MDZM12X3	MDZM12X3	DV4M*450	MDHI	02-NOV-95	05-DEC-95	<	8.6	UGL	0.0		
RNA'S IN WATER BY GC/MS	ICDPR	WX5703XX	WX5703XX	DV4M*432	MDWH	13-SEP-95	27-SEP-95	<	8.6	UGL	0.0		
RNA'S IN WATER BY GC/MS	ICDPR	WD5703XX	WD5703XX	DV4M*202	MDWH	13-SEP-95	26-SEP-95	<	8.6	UGL	0.0		
RNA'S IN WATER BY GC/MS	ISOPHR	MDAX03X1	MDAX03X1	DV4M*447	MDPI	31-OCT-95	13-NOV-95	<	4.8	UGL	0.0		
RNA'S IN WATER BY GC/MS	ISOPHR	MXAX03X1	MXAX03X1	DV4M*235	MDPI	31-OCT-95	13-NOV-95	<	4.8	UGL	0.0		
RNA'S IN WATER BY GC/MS	ISOPHR	MXG07X1	MXG07X1	DV4M*448	MDPI	31-OCT-95	13-NOV-95	<	4.8	UGL	0.0		
RNA'S IN WATER BY GC/MS	ISOPHR	MDG07X1	MDG07X1	DV4M*165	MDPI	31-OCT-95	13-NOV-95	<	4.8	UGL	0.0		
RNA'S IN WATER BY GC/MS	ISOPHR	MXZM12X3	MXZM12X3	DV4M*450	MDHI	02-NOV-95	05-DEC-95	<	4.8	UGL	0.0		
RNA'S IN WATER BY GC/MS	ISOPHR	MDZM12X3	MDZM12X3	DV4M*275	MDHI	02-NOV-95	05-DEC-95	<	4.8	UGL	0.0		
RNA'S IN WATER BY GC/MS	ISOPHR	WX5703XX	WX5703XX	DV4M*202	MDWH	13-SEP-95	26-SEP-95	<	4.8	UGL	0.0		
RNA'S IN WATER BY GC/MS	ISOPHR	WD5703XX	WD5703XX	DV4M*432	MDWH	13-SEP-95	27-SEP-95	<	4.8	UGL	0.0		
RNA'S IN WATER BY GC/MS	LIN	MDAX03X1	MDAX03X1	DV4M*447	MDPI	31-OCT-95	13-NOV-95	<	4	UGL	0.0		
RNA'S IN WATER BY GC/MS	LIN	MXAX03X1	MXAX03X1	DV4M*235	MDPI	31-OCT-95	13-NOV-95	<	4	UGL	0.0		
RNA'S IN WATER BY GC/MS	LIN	MXG07X1	MXG07X1	DV4M*448	MDPI	31-OCT-95	13-NOV-95	<	4	UGL	0.0		
RNA'S IN WATER BY GC/MS	LIN	MDG07X1	MDG07X1	DV4M*165	MDPI	31-OCT-95	13-NOV-95	<	4	UGL	0.0		
RNA'S IN WATER BY GC/MS	LIN	MXZM12X3	MXZM12X3	DV4M*450	MDHI	02-NOV-95	05-DEC-95	<	4	UGL	0.0		
RNA'S IN WATER BY GC/MS	LIN	MDZM12X3	MDZM12X3	DV4M*275	MDHI	02-NOV-95	05-DEC-95	<	4	UGL	0.0		
RNA'S IN WATER BY GC/MS	LIN	WX5703XX	WX5703XX	DV4M*202	MDWH	13-SEP-95	26-SEP-95	<	4	UGL	0.0		
RNA'S IN WATER BY GC/MS	LIN	WD5703XX	WD5703XX	DV4M*432	MDWH	13-SEP-95	27-SEP-95	<	4	UGL	0.0		
RNA'S IN WATER BY GC/MS	MEKCLR	MDAX03X1	MDAX03X1	DV4M*447	MDPI	31-OCT-95	13-NOV-95	<	5.1	UGL	0.0		

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 2, 7 Sites

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	<	Value Units	RPD
RNA'S IN WATER BY GC/MS	UM18	MEKCLR	MDX03X1	DV4W*235	WDPI	31-OCT-95	13-NOV-95	<	5.1 UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	MEKCLR	MDG07X1	DV4W*448	WDPI	31-OCT-95	13-NOV-95	<	5.1 UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	MEKCLR	MDG07X1	DV4W*165	WDPI	31-OCT-95	13-NOV-95	<	5.1 UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	MEKCLR	MDZM12X3	DV4W*450	WDHI	02-NOV-95	05-DEC-95	<	5.1 UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	MEKCLR	MDZM12X3	DV4W*275	WDHI	02-NOV-95	05-DEC-95	<	5.1 UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	MEKCLR	MD5703XX	DV4W*202	WDWH	13-SEP-95	26-SEP-95	<	5.1 UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	MEKCLR	MD5703XX	DV4W*432	WDWH	13-SEP-95	27-SEP-95	<	5.1 UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	NAP	MDX03X1	DV4W*447	WDPI	31-OCT-95	13-NOV-95	<	.5 UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	NAP	MDX03X1	DV4W*235	WDPI	31-OCT-95	13-NOV-95	<	.5 UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	NAP	MDG07X1	DV4W*165	WDPI	31-OCT-95	13-NOV-95	<	.5 UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	NAP	MDG07X1	DV4W*448	WDPI	31-OCT-95	13-NOV-95	<	.5 UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	NAP	MDZM12X3	DV4W*450	WDHI	02-NOV-95	05-DEC-95	<	.5 UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	NAP	MDZM12X3	DV4W*275	WDHI	02-NOV-95	05-DEC-95	<	.5 UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	NAP	MD5703XX	DV4W*202	WDWH	13-SEP-95	26-SEP-95	<	.5 UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	NAP	MD5703XX	DV4W*432	WDWH	13-SEP-95	27-SEP-95	<	.5 UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	NB	MDX03X1	DV4W*447	WDPI	31-OCT-95	13-NOV-95	<	.5 UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	NB	MDX03X1	DV4W*235	WDPI	31-OCT-95	13-NOV-95	<	.5 UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	NB	MDG07X1	DV4W*165	WDPI	31-OCT-95	13-NOV-95	<	.5 UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	NB	MDG07X1	DV4W*448	WDPI	31-OCT-95	13-NOV-95	<	.5 UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	NB	MDZM12X3	DV4W*450	WDHI	02-NOV-95	05-DEC-95	<	.5 UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	NB	MDZM12X3	DV4W*275	WDHI	02-NOV-95	05-DEC-95	<	.5 UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	NB	MD5703XX	DV4W*202	WDWH	13-SEP-95	26-SEP-95	<	.5 UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	NB	MD5703XX	DV4W*432	WDWH	13-SEP-95	27-SEP-95	<	.5 UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	NDMHA	MDX03X1	DV4W*447	WDPI	31-OCT-95	13-NOV-95	<	2 UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	NDMHA	MDX03X1	DV4W*235	WDPI	31-OCT-95	13-NOV-95	<	2 UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	NDMHA	MDG07X1	DV4W*165	WDPI	31-OCT-95	13-NOV-95	<	2 UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	NDMHA	MDG07X1	DV4W*448	WDPI	31-OCT-95	13-NOV-95	<	2 UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	NDMHA	MDZM12X3	DV4W*450	WDHI	02-NOV-95	05-DEC-95	<	2 UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	NDMHA	MDZM12X3	DV4W*275	WDHI	02-NOV-95	05-DEC-95	<	2 UGL	0.0
RNA'S IN WATER BY GC/MS	UM18	NDMHA	MD5703XX	DV4W*202	WDWH	13-SEP-95	26-SEP-95	<	2 UGL	0.0

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 2, 7 Sites

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field				Sample Date	Analysis Date	Value	Units	RPD
			Sample Number	Lab Number	Lot	WDHI					
ENNA'S IN WATER BY GC/MS	UM18	NNNPA	MD5703XX	DV4W*432	MDWH	13-SEP-95	27-SEP-95	<	2	UGL	0.0
ENNA'S IN WATER BY GC/MS	UM18	NNNPA	MDAX03X1	DV4W*447	WDPI	31-OCT-95	13-NOV-95	<	4.4	UGL	0.0
ENNA'S IN WATER BY GC/MS	UM18	NNNPA	MDAX03X1	DV4W*235	WDPI	31-OCT-95	13-NOV-95	<	4.4	UGL	0.0
ENNA'S IN WATER BY GC/MS	UM18	NNNPA	MDG307X1	DV4W*448	WDPI	31-OCT-95	13-NOV-95	<	4.4	UGL	0.0
ENNA'S IN WATER BY GC/MS	UM18	NNNPA	MDG307X1	DV4W*165	WDPI	31-OCT-95	13-NOV-95	<	4.4	UGL	0.0
ENNA'S IN WATER BY GC/MS	UM18	NNNPA	MDZM12X3	DV4W*275	WDHI	02-NOV-95	05-DEC-95	<	4.4	UGL	0.0
ENNA'S IN WATER BY GC/MS	UM18	NNNPA	MDZM12X3	DV4W*450	WDHI	02-NOV-95	05-DEC-95	<	4.4	UGL	0.0
ENNA'S IN WATER BY GC/MS	UM18	NNNPA	MD5703XX	DV4W*432	MDWH	13-SEP-95	27-SEP-95	<	4.4	UGL	0.0
ENNA'S IN WATER BY GC/MS	UM18	NNNPA	MD5703XX	DV4W*202	MDWH	13-SEP-95	26-SEP-95	<	4.4	UGL	0.0
ENNA'S IN WATER BY GC/MS	UM18	NNNPA	MDAX03X1	DV4W*447	WDPI	31-OCT-95	13-NOV-95	<	3	UGL	0.0
ENNA'S IN WATER BY GC/MS	UM18	NNNPA	MDAX03X1	DV4W*235	WDPI	31-OCT-95	13-NOV-95	<	3	UGL	0.0
ENNA'S IN WATER BY GC/MS	UM18	NNNPA	MDG307X1	DV4W*165	WDPI	31-OCT-95	13-NOV-95	<	3	UGL	0.0
ENNA'S IN WATER BY GC/MS	UM18	NNNPA	MDG307X1	DV4W*448	WDPI	31-OCT-95	13-NOV-95	<	3	UGL	0.0
ENNA'S IN WATER BY GC/MS	UM18	NNNPA	MDZM12X3	DV4W*275	WDHI	02-NOV-95	05-DEC-95	<	3	UGL	0.0
ENNA'S IN WATER BY GC/MS	UM18	NNNPA	MDZM12X3	DV4W*450	WDHI	02-NOV-95	05-DEC-95	<	3	UGL	0.0
ENNA'S IN WATER BY GC/MS	UM18	NNNPA	MD5703XX	DV4W*432	MDWH	13-SEP-95	26-SEP-95	<	3	UGL	0.0
ENNA'S IN WATER BY GC/MS	UM18	NNNPA	MD5703XX	DV4W*202	MDWH	13-SEP-95	27-SEP-95	<	3	UGL	0.0
ENNA'S IN WATER BY GC/MS	UM18	PCB016	MDAX03X1	DV4W*447	WDPI	31-OCT-95	13-NOV-95	<	21	UGL	0.0
ENNA'S IN WATER BY GC/MS	UM18	PCB016	MDAX03X1	DV4W*235	WDPI	31-OCT-95	13-NOV-95	<	21	UGL	0.0
ENNA'S IN WATER BY GC/MS	UM18	PCB016	MDG307X1	DV4W*165	WDPI	31-OCT-95	13-NOV-95	<	21	UGL	0.0
ENNA'S IN WATER BY GC/MS	UM18	PCB016	MDG307X1	DV4W*448	WDPI	31-OCT-95	13-NOV-95	<	21	UGL	0.0
ENNA'S IN WATER BY GC/MS	UM18	PCB016	MDZM12X3	DV4W*275	WDHI	02-NOV-95	05-DEC-95	<	21	UGL	0.0
ENNA'S IN WATER BY GC/MS	UM18	PCB016	MDZM12X3	DV4W*450	WDHI	02-NOV-95	05-DEC-95	<	21	UGL	0.0
ENNA'S IN WATER BY GC/MS	UM18	PCB016	MD5703XX	DV4W*432	MDWH	13-SEP-95	26-SEP-95	<	21	UGL	0.0
ENNA'S IN WATER BY GC/MS	UM18	PCB016	MD5703XX	DV4W*202	MDWH	13-SEP-95	27-SEP-95	<	21	UGL	0.0
ENNA'S IN WATER BY GC/MS	UM18	PCB221	MDAX03X1	DV4W*447	WDPI	31-OCT-95	13-NOV-95	<	21	UGL	0.0
ENNA'S IN WATER BY GC/MS	UM18	PCB221	MDAX03X1	DV4W*235	WDPI	31-OCT-95	13-NOV-95	<	21	UGL	0.0
ENNA'S IN WATER BY GC/MS	UM18	PCB221	MDG307X1	DV4W*165	WDPI	31-OCT-95	13-NOV-95	<	21	UGL	0.0
ENNA'S IN WATER BY GC/MS	UM18	PCB221	MDG307X1	DV4W*448	WDPI	31-OCT-95	13-NOV-95	<	21	UGL	0.0

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 2, 7 Sites

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	<	Value	Units	RPD
BNA'S IN WATER BY GC/MS	UM18	PCB221	MDX012X3	DV4W*275	MDHI	02-NOV-95	05-DEC-95	<	21	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB221	MDX012X3	DV4W*450	MDHI	02-NOV-95	05-DEC-95	<	21	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB221	MDX012X3	DV4W*202	MDWH	13-SEP-95	26-SEP-95	<	21	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB221	MDX012X3	DV4W*432	MDWH	13-SEP-95	27-SEP-95	<	21	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB232	MDX012X3	DV4W*447	MDFI	31-OCT-95	13-NOV-95	<	21	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB232	MDX012X3	DV4W*235	MDFI	31-OCT-95	13-NOV-95	<	21	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB232	MDX012X3	DV4W*165	MDFI	31-OCT-95	13-NOV-95	<	21	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB232	MDX012X3	DV4W*448	MDFI	31-OCT-95	13-NOV-95	<	21	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB232	MDX012X3	DV4W*275	MDHI	02-NOV-95	05-DEC-95	<	21	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB232	MDX012X3	DV4W*450	MDHI	02-NOV-95	05-DEC-95	<	21	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB232	MDX012X3	DV4W*202	MDWH	13-SEP-95	26-SEP-95	<	21	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB232	MDX012X3	DV4W*432	MDWH	13-SEP-95	27-SEP-95	<	21	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB242	MDX012X3	DV4W*447	MDFI	31-OCT-95	13-NOV-95	<	30	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB242	MDX012X3	DV4W*235	MDFI	31-OCT-95	13-NOV-95	<	30	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB242	MDX012X3	DV4W*165	MDFI	31-OCT-95	13-NOV-95	<	30	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB242	MDX012X3	DV4W*448	MDFI	31-OCT-95	13-NOV-95	<	30	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB242	MDX012X3	DV4W*275	MDHI	02-NOV-95	05-DEC-95	<	30	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB242	MDX012X3	DV4W*450	MDHI	02-NOV-95	05-DEC-95	<	30	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB242	MDX012X3	DV4W*202	MDWH	13-SEP-95	26-SEP-95	<	30	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB242	MDX012X3	DV4W*432	MDWH	13-SEP-95	27-SEP-95	<	30	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB248	MDX012X3	DV4W*447	MDFI	31-OCT-95	13-NOV-95	<	30	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB248	MDX012X3	DV4W*235	MDFI	31-OCT-95	13-NOV-95	<	30	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB248	MDX012X3	DV4W*165	MDFI	31-OCT-95	13-NOV-95	<	30	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB248	MDX012X3	DV4W*448	MDFI	31-OCT-95	13-NOV-95	<	30	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB248	MDX012X3	DV4W*275	MDHI	02-NOV-95	05-DEC-95	<	30	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB248	MDX012X3	DV4W*450	MDHI	02-NOV-95	05-DEC-95	<	30	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB248	MDX012X3	DV4W*202	MDWH	13-SEP-95	26-SEP-95	<	30	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB248	MDX012X3	DV4W*432	MDWH	13-SEP-95	27-SEP-95	<	30	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB254	MDX012X3	DV4W*447	MDFI	31-OCT-95	13-NOV-95	<	36	UGL	0.0

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 2, 7 Sites

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value	Units	RFD
BNA'S IN WATER BY GC/MS	UM18	PCB254	MDAX03X1	DV4W*235	MDPI	31-OCT-95	13-NOV-95	<	36	UGL
BNA'S IN WATER BY GC/MS	UM18	PCB254	MDXG07X1	DV4W*165	MDPI	31-OCT-95	13-NOV-95	<	36	UGL
BNA'S IN WATER BY GC/MS	UM18	PCB254	MDXG07X1	DV4W*448	MDPI	31-OCT-95	13-NOV-95	<	36	UGL
BNA'S IN WATER BY GC/MS	UM18	PCB254	MDXG07X1	DV4W*275	MDPI	02-NOV-95	05-DEC-95	<	36	UGL
BNA'S IN WATER BY GC/MS	UM18	PCB254	MDXG07X1	DV4W*450	MDPI	02-NOV-95	05-DEC-95	<	36	UGL
BNA'S IN WATER BY GC/MS	UM18	PCB254	MDXG07X1	DV4W*202	MDWH	13-SEP-95	26-SEP-95	<	36	UGL
BNA'S IN WATER BY GC/MS	UM18	PCB254	MDXG07X1	DV4W*432	MDWH	13-SEP-95	27-SEP-95	<	36	UGL
BNA'S IN WATER BY GC/MS	UM18	PCB260	MDAX03X1	DV4W*447	MDPI	31-OCT-95	13-NOV-95	<	36	UGL
BNA'S IN WATER BY GC/MS	UM18	PCB260	MDXG07X1	DV4W*165	MDPI	31-OCT-95	13-NOV-95	<	36	UGL
BNA'S IN WATER BY GC/MS	UM18	PCB260	MDXG07X1	DV4W*448	MDPI	31-OCT-95	13-NOV-95	<	36	UGL
BNA'S IN WATER BY GC/MS	UM18	PCB260	MDXG07X1	DV4W*275	MDPI	02-NOV-95	05-DEC-95	<	36	UGL
BNA'S IN WATER BY GC/MS	UM18	PCB260	MDXG07X1	DV4W*450	MDPI	02-NOV-95	05-DEC-95	<	36	UGL
BNA'S IN WATER BY GC/MS	UM18	PCB260	MDXG07X1	DV4W*202	MDWH	13-SEP-95	26-SEP-95	<	36	UGL
BNA'S IN WATER BY GC/MS	UM18	PCB260	MDXG07X1	DV4W*432	MDWH	13-SEP-95	27-SEP-95	<	36	UGL
BNA'S IN WATER BY GC/MS	UM18	PCP	MDAX03X1	DV4W*447	MDPI	31-OCT-95	13-NOV-95	<	18	UGL
BNA'S IN WATER BY GC/MS	UM18	PCP	MDXG07X1	DV4W*235	MDPI	31-OCT-95	13-NOV-95	<	18	UGL
BNA'S IN WATER BY GC/MS	UM18	PCP	MDXG07X1	DV4W*165	MDPI	31-OCT-95	13-NOV-95	<	18	UGL
BNA'S IN WATER BY GC/MS	UM18	PCP	MDXG07X1	DV4W*448	MDPI	31-OCT-95	13-NOV-95	<	18	UGL
BNA'S IN WATER BY GC/MS	UM18	PCP	MDXG07X1	DV4W*450	MDPI	02-NOV-95	05-DEC-95	<	18	UGL
BNA'S IN WATER BY GC/MS	UM18	PCP	MDXG07X1	DV4W*275	MDPI	02-NOV-95	05-DEC-95	<	18	UGL
BNA'S IN WATER BY GC/MS	UM18	PCP	MDXG07X1	DV4W*432	MDWH	13-SEP-95	27-SEP-95	<	18	UGL
BNA'S IN WATER BY GC/MS	UM18	PCP	MDXG07X1	DV4W*202	MDWH	13-SEP-95	26-SEP-95	<	18	UGL
BNA'S IN WATER BY GC/MS	UM18	PHANTR	MDAX03X1	DV4W*447	MDPI	31-OCT-95	13-NOV-95	<	.5	UGL
BNA'S IN WATER BY GC/MS	UM18	PHANTR	MDXG07X1	DV4W*235	MDPI	31-OCT-95	13-NOV-95	<	.5	UGL
BNA'S IN WATER BY GC/MS	UM18	PHANTR	MDXG07X1	DV4W*165	MDPI	31-OCT-95	13-NOV-95	<	.5	UGL
BNA'S IN WATER BY GC/MS	UM18	PHANTR	MDXG07X1	DV4W*448	MDPI	31-OCT-95	13-NOV-95	<	.5	UGL
BNA'S IN WATER BY GC/MS	UM18	PHANTR	MDXG07X1	DV4W*275	MDPI	02-NOV-95	05-DEC-95	<	.5	UGL
BNA'S IN WATER BY GC/MS	UM18	PHANTR	MDXG07X1	DV4W*450	MDPI	02-NOV-95	05-DEC-95	<	.5	UGL
BNA'S IN WATER BY GC/MS	UM18	PHANTR	MDXG07X1	DV4W*202	MDWH	13-SEP-95	26-SEP-95	<	.5	UGL

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab			Sample Date	Analysis Date	Value	Units	RPD
				Number	Lot						
BNA'S IN WATER BY GC/MS	UM18	PHANTR	WD5703XX	DV4N*432	MDMH	13-SEP-95	27-SEP-95	<	.5	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PHENOL	MDAX03X1	DV4N*447	MDPI	31-OCT-95	13-NOV-95	<	9.2	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PHENOL	MDXG07X1	DV4N*235	MDPI	31-OCT-95	13-NOV-95	<	9.2	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PHENOL	MDXG07X1	DV4N*448	MDPI	31-OCT-95	13-NOV-95	<	9.2	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PHENOL	MDXG07X1	DV4N*165	MDPI	31-OCT-95	13-NOV-95	<	9.2	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PHENOL	MDZM12X3	DV4N*450	MDHI	02-NOV-95	05-DEC-95	<	9.2	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PHENOL	MDZM12X3	DV4N*275	MDHI	02-NOV-95	05-DEC-95	<	9.2	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PHENOL	MD5703XX	DV4N*432	MDMH	13-SEP-95	27-SEP-95	<	9.2	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PHENOL	MD5703XX	DV4N*202	MDMH	13-SEP-95	26-SEP-95	<	9.2	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PPDD	MDAX03X1	DV4N*447	MDPI	31-OCT-95	13-NOV-95	<	4	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PPDD	MDXG07X1	DV4N*235	MDPI	31-OCT-95	13-NOV-95	<	4	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PPDD	MDXG07X1	DV4N*448	MDPI	31-OCT-95	13-NOV-95	<	4	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PPDD	MDXG07X1	DV4N*165	MDPI	31-OCT-95	13-NOV-95	<	4	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PPDD	MDZM12X3	DV4N*275	MDHI	02-NOV-95	05-DEC-95	<	4	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PPDD	MDZM12X3	DV4N*450	MDHI	02-NOV-95	05-DEC-95	<	4	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PPDD	MD5703XX	DV4N*202	MDMH	13-SEP-95	26-SEP-95	<	4	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PPDD	MD5703XX	DV4N*432	MDMH	13-SEP-95	27-SEP-95	<	4	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PPDD	MDAX03X1	DV4N*447	MDPI	31-OCT-95	13-NOV-95	<	4.7	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PPDD	MDXG07X1	DV4N*235	MDPI	31-OCT-95	13-NOV-95	<	4.7	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PPDD	MDXG07X1	DV4N*448	MDPI	31-OCT-95	13-NOV-95	<	4.7	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PPDD	MDXG07X1	DV4N*165	MDPI	31-OCT-95	13-NOV-95	<	4.7	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PPDD	MDZM12X3	DV4N*450	MDHI	02-NOV-95	05-DEC-95	<	4.7	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PPDD	MDZM12X3	DV4N*275	MDHI	02-NOV-95	05-DEC-95	<	4.7	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PPDD	MD5703XX	DV4N*432	MDMH	13-SEP-95	26-SEP-95	<	4.7	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PPDD	MD5703XX	DV4N*202	MDMH	13-SEP-95	27-SEP-95	<	4.7	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PPDD	MDAX03X1	DV4N*447	MDPI	31-OCT-95	13-NOV-95	<	9.2	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PPDD	MDXG07X1	DV4N*235	MDPI	31-OCT-95	13-NOV-95	<	9.2	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PPDD	MDXG07X1	DV4N*448	MDPI	31-OCT-95	13-NOV-95	<	9.2	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PPDD	MDXG07X1	DV4N*165	MDPI	31-OCT-95	13-NOV-95	<	9.2	UGL	0.0

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 2, 7 Sites

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

IRDMIS Method Code	IRDMIS Field Sample Number	Test Name	Lab Number	Lot	Sample Date	Analysis Date	Value	Units	RPD
BNA'S IN WATER BY GC/MS	MDZM12X3	PPDOT	DVAM*450	MDHI	02-NOV-95	05-DEC-95	<	9.2 UGL	0.0
BNA'S IN WATER BY GC/MS	MDZM12X3	PPDOT	DVAM*275	MDHI	02-NOV-95	05-DEC-95	<	9.2 UGL	0.0
BNA'S IN WATER BY GC/MS	MDZM12X3	PPDOT	DVAM*202	MDHI	13-SEP-95	26-SEP-95	<	9.2 UGL	0.0
BNA'S IN WATER BY GC/MS	MDZM12X3	PPDOT	DVAM*432	MDHI	13-SEP-95	27-SEP-95	<	9.2 UGL	0.0
BNA'S IN WATER BY GC/MS	MDZM12X3	PYR	DVAM*447	MDHI	31-OCT-95	13-NOV-95	<	2.8 UGL	0.0
BNA'S IN WATER BY GC/MS	MDZM12X3	PYR	DVAM*235	MDHI	31-OCT-95	13-NOV-95	<	2.8 UGL	0.0
BNA'S IN WATER BY GC/MS	MDZM12X3	PYR	DVAM*165	MDHI	31-OCT-95	13-NOV-95	<	2.8 UGL	0.0
BNA'S IN WATER BY GC/MS	MDZM12X3	PYR	DVAM*448	MDHI	31-OCT-95	13-NOV-95	<	2.8 UGL	0.0
BNA'S IN WATER BY GC/MS	MDZM12X3	PYR	DVAM*275	MDHI	02-NOV-95	05-DEC-95	<	2.8 UGL	0.0
BNA'S IN WATER BY GC/MS	MDZM12X3	PYR	DVAM*450	MDHI	02-NOV-95	05-DEC-95	<	2.8 UGL	0.0
BNA'S IN WATER BY GC/MS	MDZM12X3	PYR	DVAM*432	MDHI	13-SEP-95	27-SEP-95	<	2.8 UGL	0.0
BNA'S IN WATER BY GC/MS	MDZM12X3	PYR	DVAM*202	MDHI	13-SEP-95	26-SEP-95	<	2.8 UGL	0.0
BNA'S IN WATER BY GC/MS	MDZM12X3	TXPHEN	DVAM*447	MDHI	31-OCT-95	13-NOV-95	<	36 UGL	0.0
BNA'S IN WATER BY GC/MS	MDZM12X3	TXPHEN	DVAM*235	MDHI	31-OCT-95	13-NOV-95	<	36 UGL	0.0
BNA'S IN WATER BY GC/MS	MDZM12X3	TXPHEN	DVAM*448	MDHI	31-OCT-95	13-NOV-95	<	36 UGL	0.0
BNA'S IN WATER BY GC/MS	MDZM12X3	TXPHEN	DVAM*165	MDHI	31-OCT-95	13-NOV-95	<	36 UGL	0.0
BNA'S IN WATER BY GC/MS	MDZM12X3	TXPHEN	DVAM*450	MDHI	02-NOV-95	05-DEC-95	<	36 UGL	0.0
BNA'S IN WATER BY GC/MS	MDZM12X3	TXPHEN	DVAM*275	MDHI	02-NOV-95	05-DEC-95	<	36 UGL	0.0
BNA'S IN WATER BY GC/MS	MDZM12X3	TXPHEN	DVAM*202	MDHI	13-SEP-95	26-SEP-95	<	36 UGL	0.0
BNA'S IN WATER BY GC/MS	MDZM12X3	TXPHEN	DVAM*432	MDHI	13-SEP-95	27-SEP-95	<	36 UGL	0.0
BNA'S IN WATER BY GC/MS	MDZM12X3	UNK522	DVAM*447	MDHI	31-OCT-95	13-NOV-95	<	10 UGL	0.0
BNA'S IN WATER BY GC/MS	MDZM12X3	UNK522	DVAM*235	MDHI	31-OCT-95	13-NOV-95	<	10 UGL	0.0
BNA'S IN WATER BY GC/MS	MDZM12X3	UNK522	DVAM*165	MDHI	31-OCT-95	13-NOV-95	<	10 UGL	22.2
BNA'S IN WATER BY GC/MS	MDZM12X3	UNK522	DVAM*448	MDHI	31-OCT-95	13-NOV-95	<	8 UGL	22.2
VOC'S IN WATER BY GC/MS	MDZM12X3	111TCE	DVAM*235	XDUN	31-OCT-95	07-NOV-95	<	.5 UGL	0.0
VOC'S IN WATER BY GC/MS	MDZM12X3	111TCE	DVAM*447	XDUN	31-OCT-95	07-NOV-95	<	.5 UGL	0.0
VOC'S IN WATER BY GC/MS	MDZM12X3	111TCE	DVAM*448	XDUN	31-OCT-95	07-NOV-95	<	.5 UGL	0.0
VOC'S IN WATER BY GC/MS	MDZM12X3	111TCE	DVAM*165	XDUN	31-OCT-95	06-NOV-95	<	.5 UGL	0.0

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 2, 7 Sites

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

Method Description	IRDMIS Method Code	Test Name	Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value	Units	RPD
VOC'S IN WATER BY GC/MS	UM20	111TCE	MX2M12X3	DV4W*275	XDUN	02-NOV-95	07-NOV-95	<	.5 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	111TCE	MD2M12X3	DV4W*450	XDUN	02-NOV-95	07-NOV-95	<	.5 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	111TCE	WD5703XX	DV4W*432	XDUN	13-SEP-95	21-SEP-95	<	.5 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	111TCE	MX5703XX	DV4W*202	XDUN	13-SEP-95	20-SEP-95	<	.5 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	112TCE	MXAX03X1	DV4W*235	XDUN	31-OCT-95	07-NOV-95	<	1.2 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	112TCE	MDAX03X1	DV4W*447	XDUN	31-OCT-95	07-NOV-95	<	1.2 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	112TCE	MXG307X1	DV4W*165	XDUN	31-OCT-95	06-NOV-95	<	1.2 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	112TCE	MDG307X1	DV4W*448	XDUN	31-OCT-95	07-NOV-95	<	1.2 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	112TCE	MX2M12X3	DV4W*450	XDUN	02-NOV-95	07-NOV-95	<	1.2 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	112TCE	MX2M12X3	DV4W*275	XDUN	02-NOV-95	07-NOV-95	<	1.2 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	112TCE	WD5703XX	DV4W*432	XDUN	13-SEP-95	21-SEP-95	<	1.2 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	112TCE	MX5703XX	DV4W*202	XDUN	13-SEP-95	20-SEP-95	<	1.2 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	11DCE	MXAX03X1	DV4W*235	XDUN	31-OCT-95	07-NOV-95	<	.5 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	11DCE	MDAX03X1	DV4W*447	XDUN	31-OCT-95	07-NOV-95	<	.5 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	11DCE	MXG307X1	DV4W*165	XDUN	31-OCT-95	07-NOV-95	<	.5 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	11DCE	MDG307X1	DV4W*448	XDUN	31-OCT-95	06-NOV-95	<	.5 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	11DCE	MX2M12X3	DV4W*275	XDUN	02-NOV-95	07-NOV-95	<	.5 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	11DCE	MD2M12X3	DV4W*450	XDUN	02-NOV-95	07-NOV-95	<	.5 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	11DCE	WD5703XX	DV4W*432	XDUN	13-SEP-95	21-SEP-95	<	.5 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	11DCE	MX5703XX	DV4W*202	XDUN	13-SEP-95	20-SEP-95	<	.5 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	11DCE	MXAX03X1	DV4W*235	XDUN	31-OCT-95	07-NOV-95	<	.68 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	11DCE	MDAX03X1	DV4W*447	XDUN	31-OCT-95	07-NOV-95	<	.68 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	11DCE	MXG307X1	DV4W*165	XDUN	31-OCT-95	06-NOV-95	<	.68 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	11DCE	MDG307X1	DV4W*448	XDUN	31-OCT-95	07-NOV-95	<	.68 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	11DCE	MX2M12X3	DV4W*450	XDUN	02-NOV-95	07-NOV-95	<	.68 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	11DCE	MX2M12X3	DV4W*275	XDUN	02-NOV-95	07-NOV-95	<	.68 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	11DCE	WD5703XX	DV4W*432	XDUN	13-SEP-95	21-SEP-95	<	.68 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	11DCE	MX5703XX	DV4W*202	XDUN	13-SEP-95	20-SEP-95	<	.68 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	12DCE	MDAX03X1	DV4W*447	XDUN	31-OCT-95	07-NOV-95	<	.5 UGL	0.0

Chemical Quality Control Report
 Installation: Fort Devens, MA (DV)
 Group 2, 7 Sites

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

IRDMIS			IRDMIS			Field			Analysis			Value Units		RPD	
Method	Code	Description	Test	Name	Lab	Number	Lot	Sample Date	Date						
VOC'S IN WATER BY GC/MS	UM20		12DCB	MXAX03X1	DV4W*235	XDJN	31-OCT-95	07-NOV-95	<	.5	UGL	0.0			
VOC'S IN WATER BY GC/MS	UM20		12DCB	MXG107X1	DV4W*165	XDJN	31-OCT-95	06-NOV-95	<	.5	UGL	0.0			
VOC'S IN WATER BY GC/MS	UM20		12DCB	MDG307X1	DV4W*448	XDJN	31-OCT-95	07-NOV-95	<	.5	UGL	0.0			
VOC'S IN WATER BY GC/MS	UM20		12DCB	MXZM12X3	DV4W*275	XDJN	02-NOV-95	07-NOV-95	<	.5	UGL	0.0			
VOC'S IN WATER BY GC/MS	UM20		12DCB	MDZM12X3	DV4W*450	XDJN	02-NOV-95	07-NOV-95	<	.5	UGL	0.0			
VOC'S IN WATER BY GC/MS	UM20		12DCB	WD5703XX	DV4W*432	XDOM	13-SEP-95	21-SEP-95	<	.5	UGL	0.0			
VOC'S IN WATER BY GC/MS	UM20		12DCB	WX5703XX	DV4W*202	XDNM	13-SEP-95	20-SEP-95	<	.5	UGL	0.0			
VOC'S IN WATER BY GC/MS	UM20		12DCLE	MDAX03X1	DV4W*447	XDJN	31-OCT-95	07-NOV-95	<	.5	UGL	0.0			
VOC'S IN WATER BY GC/MS	UM20		12DCLE	MXAX03X1	DV4W*235	XDJN	31-OCT-95	07-NOV-95	<	.5	UGL	0.0			
VOC'S IN WATER BY GC/MS	UM20		12DCLE	MXG107X1	DV4W*165	XDJN	31-OCT-95	06-NOV-95	<	.5	UGL	0.0			
VOC'S IN WATER BY GC/MS	UM20		12DCLE	MDG307X1	DV4W*448	XDJN	31-OCT-95	07-NOV-95	<	.5	UGL	0.0			
VOC'S IN WATER BY GC/MS	UM20		12DCLE	MXZM12X3	DV4W*275	XDJN	02-NOV-95	07-NOV-95	<	.5	UGL	0.0			
VOC'S IN WATER BY GC/MS	UM20		12DCLE	MDZM12X3	DV4W*450	XDJN	02-NOV-95	07-NOV-95	<	.5	UGL	0.0			
VOC'S IN WATER BY GC/MS	UM20		12DCLE	WD5703XX	DV4W*432	XDOM	13-SEP-95	21-SEP-95	<	.5	UGL	0.0			
VOC'S IN WATER BY GC/MS	UM20		12DCLE	WX5703XX	DV4W*202	XDNM	13-SEP-95	20-SEP-95	<	.5	UGL	0.0			
VOC'S IN WATER BY GC/MS	UM20		12DCLE	MDAX03X1	DV4W*447	XDJN	31-OCT-95	07-NOV-95	<	.5	UGL	0.0			
VOC'S IN WATER BY GC/MS	UM20		12DCLE	MXAX03X1	DV4W*235	XDJN	31-OCT-95	07-NOV-95	<	.5	UGL	0.0			
VOC'S IN WATER BY GC/MS	UM20		12DCLE	MXG107X1	DV4W*165	XDJN	31-OCT-95	06-NOV-95	<	.5	UGL	0.0			
VOC'S IN WATER BY GC/MS	UM20		12DCLE	MDG307X1	DV4W*448	XDJN	31-OCT-95	07-NOV-95	<	.5	UGL	0.0			
VOC'S IN WATER BY GC/MS	UM20		12DCLE	MXZM12X3	DV4W*275	XDJN	02-NOV-95	07-NOV-95	<	.5	UGL	0.0			
VOC'S IN WATER BY GC/MS	UM20		12DCLE	MDZM12X3	DV4W*450	XDJN	02-NOV-95	07-NOV-95	<	.5	UGL	0.0			
VOC'S IN WATER BY GC/MS	UM20		12DCLE	WD5703XX	DV4W*432	XDOM	13-SEP-95	21-SEP-95	<	.5	UGL	0.0			
VOC'S IN WATER BY GC/MS	UM20		12DCLE	WX5703XX	DV4W*202	XDNM	13-SEP-95	20-SEP-95	<	.5	UGL	0.0			
VOC'S IN WATER BY GC/MS	UM20		2CLEVE	MDAX03X1	DV4W*447	XDJN	31-OCT-95	07-NOV-95	<	.71	UGL	0.0			
VOC'S IN WATER BY GC/MS	UM20		2CLEVE	MXAX03X1	DV4W*235	XDJN	31-OCT-95	07-NOV-95	<	.71	UGL	0.0			
VOC'S IN WATER BY GC/MS	UM20		2CLEVE	MXG107X1	DV4W*165	XDJN	31-OCT-95	06-NOV-95	<	.71	UGL	0.0			
VOC'S IN WATER BY GC/MS	UM20		2CLEVE	MDG307X1	DV4W*448	XDJN	31-OCT-95	07-NOV-95	<	.71	UGL	0.0			
VOC'S IN WATER BY GC/MS	UM20		2CLEVE	MDZM12X3	DV4W*450	XDJN	02-NOV-95	07-NOV-95	<	.71	UGL	0.0			
VOC'S IN WATER BY GC/MS	UM20		2CLEVE	MXZM12X3	DV4W*275	XDJN	02-NOV-95	07-NOV-95	<	.71	UGL	0.0			
VOC'S IN WATER BY GC/MS	UM20		2CLEVE	WD5703XX	DV4W*432	XDOM	13-SEP-95	21-SEP-95	<	.71	UGL	0.0			
VOC'S IN WATER BY GC/MS	UM20		2CLEVE	WX5703XX	DV4W*202	XDNM	13-SEP-95	20-SEP-95	<	.71	UGL	0.0			

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 2, 7 Sites

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	<	Value Units	RPD
VOC'S IN WATER BY GC/MS	UM20	2CLEVB	MX5703XX	DV4W*202	XDNM	13-SEP-95	20-SEP-95	<	.71 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	ACET	MDAX03X1	DV4W*447	XDUN	31-OCT-95	07-NOV-95	<	13 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	ACET	MXAX03X1	DV4W*235	XDUN	31-OCT-95	07-NOV-95	<	13 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	ACET	MXG307X1	DV4W*165	XDUN	31-OCT-95	06-NOV-95	<	13 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	ACET	MDG307X1	DV4W*448	XDUN	31-OCT-95	07-NOV-95	<	13 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	ACET	MXZW12X3	DV4W*275	XDUN	02-NOV-95	07-NOV-95	<	13 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	ACET	MDZW12X3	DV4W*450	XDUN	02-NOV-95	07-NOV-95	<	13 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	ACET	MD5703XX	DV4W*432	XDOM	13-SEP-95	21-SEP-95	<	13 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	ACET	MX5703XX	DV4W*202	XDNM	13-SEP-95	20-SEP-95	<	13 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	ACROIN	MDAX03X1	DV4W*447	XDUN	31-OCT-95	07-NOV-95	<	100 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	ACROIN	MXAX03X1	DV4W*235	XDUN	31-OCT-95	07-NOV-95	<	100 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	ACROIN	MXG307X1	DV4W*165	XDUN	31-OCT-95	06-NOV-95	<	100 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	ACROIN	MDG307X1	DV4W*448	XDUN	31-OCT-95	07-NOV-95	<	100 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	ACROIN	MXZW12X3	DV4W*275	XDUN	02-NOV-95	07-NOV-95	<	100 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	ACROIN	MDZW12X3	DV4W*450	XDUN	02-NOV-95	07-NOV-95	<	100 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	ACROIN	MD5703XX	DV4W*432	XDOM	13-SEP-95	21-SEP-95	<	100 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	ACROIN	MX5703XX	DV4W*202	XDNM	13-SEP-95	20-SEP-95	<	100 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	ACRYLO	MDAX03X1	DV4W*447	XDUN	31-OCT-95	07-NOV-95	<	100 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	ACRYLO	MXAX03X1	DV4W*235	XDUN	31-OCT-95	07-NOV-95	<	100 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	ACRYLO	MDG307X1	DV4W*165	XDUN	31-OCT-95	06-NOV-95	<	100 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	ACRYLO	MDZW12X3	DV4W*450	XDUN	02-NOV-95	07-NOV-95	<	100 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	ACRYLO	MXZW12X3	DV4W*275	XDUN	02-NOV-95	07-NOV-95	<	100 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	ACRYLO	MD5703XX	DV4W*432	XDOM	13-SEP-95	21-SEP-95	<	100 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	ACRYLO	MX5703XX	DV4W*202	XDNM	13-SEP-95	20-SEP-95	<	100 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	BRDCIM	MDAX03X1	DV4W*447	XDUN	31-OCT-95	07-NOV-95	<	.59 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	BRDCIM	MXAX03X1	DV4W*235	XDUN	31-OCT-95	07-NOV-95	<	.59 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	BRDCIM	MDG307X1	DV4W*448	XDUN	31-OCT-95	07-NOV-95	<	.59 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	BRDCIM	MXG307X1	DV4W*165	XDUN	31-OCT-95	06-NOV-95	<	.59 UGL	0.0

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

IRDMIS Field	Method Code	Test Name	Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value		Units	RPO	
								<	>			
IRDMIS Field	UM20	BROCLM	MX2M12X3	DV4W*275	XDJN	02-NOV-95	07-NOV-95	<		.59	UGL	0.0
	UM20	BROCLM	MD2M12X3	DV4W*450	XDKN	02-NOV-95	07-NOV-95	<		.59	UGL	0.0
	UM20	BROCLM	MX5703XX	DV4W*432	XDOM	13-SEP-95	21-SEP-95	<		.59	UGL	0.0
	UM20	BRDCLM	MX5703XX	DV4W*202	XDNM	13-SEP-95	20-SEP-95	<		.59	UGL	0.0
	UM20	C13DCP	MDAX03X1	DV4W*447	XDJN	31-OCT-95	07-NOV-95	<		.58	UGL	0.0
	UM20	C13DCP	MDAX03X1	DV4W*235	XDJN	31-OCT-95	07-NOV-95	<		.58	UGL	0.0
	UM20	C13DCP	MDG307X1	DV4W*448	XDJN	31-OCT-95	07-NOV-95	<		.58	UGL	0.0
	UM20	C13DCP	MDG307X1	DV4W*165	XDJN	31-OCT-95	06-NOV-95	<		.58	UGL	0.0
	UM20	C13DCP	MDZM12X3	DV4W*275	XDJN	02-NOV-95	07-NOV-95	<		.58	UGL	0.0
	UM20	C13DCP	MDZM12X3	DV4W*450	XDKN	02-NOV-95	07-NOV-95	<		.58	UGL	0.0
	UM20	C13DCP	MD5703XX	DV4W*432	XDOM	13-SEP-95	21-SEP-95	<		.58	UGL	0.0
	UM20	C13DCP	MX5703XX	DV4W*202	XDNM	13-SEP-95	20-SEP-95	<		.58	UGL	0.0
IRDMIS Field	UM20	C2AVE	MDAX03X1	DV4W*447	XDJN	31-OCT-95	07-NOV-95	<		8.3	UGL	0.0
	UM20	C2AVE	MDAX03X1	DV4W*235	XDJN	31-OCT-95	07-NOV-95	<		8.3	UGL	0.0
	UM20	C2AVE	MDG307X1	DV4W*165	XDJN	31-OCT-95	06-NOV-95	<		8.3	UGL	0.0
	UM20	C2AVE	MDG307X1	DV4W*448	XDJN	31-OCT-95	07-NOV-95	<		8.3	UGL	0.0
	UM20	C2AVE	MDZM12X3	DV4W*450	XDKN	02-NOV-95	07-NOV-95	<		8.3	UGL	0.0
	UM20	C2AVE	MDZM12X3	DV4W*275	XDJN	02-NOV-95	07-NOV-95	<		8.3	UGL	0.0
	UM20	C2AVE	MD5703XX	DV4W*432	XDOM	13-SEP-95	21-SEP-95	<		8.3	UGL	0.0
	UM20	C2AVE	MX5703XX	DV4W*202	XDNM	13-SEP-95	20-SEP-95	<		8.3	UGL	0.0
	UM20	C2H3CL	MDAX03X1	DV4W*235	XDJN	31-OCT-95	07-NOV-95	<		2.6	UGL	0.0
	UM20	C2H3CL	MDAX03X1	DV4W*447	XDJN	31-OCT-95	07-NOV-95	<		2.6	UGL	0.0
	UM20	C2H3CL	MDG307X1	DV4W*448	XDJN	31-OCT-95	07-NOV-95	<		2.6	UGL	0.0
	UM20	C2H3CL	MDG307X1	DV4W*165	XDJN	31-OCT-95	06-NOV-95	<		2.6	UGL	0.0
IRDMIS Field	UM20	C2H3CL	MDZM12X3	DV4W*275	XDJN	02-NOV-95	07-NOV-95	<		2.6	UGL	0.0
	UM20	C2H3CL	MDZM12X3	DV4W*450	XDKN	02-NOV-95	07-NOV-95	<		2.6	UGL	0.0
	UM20	C2H3CL	MD5703XX	DV4W*432	XDOM	13-SEP-95	21-SEP-95	<		2.6	UGL	0.0
	UM20	C2H3CL	MX5703XX	DV4W*202	XDNM	13-SEP-95	20-SEP-95	<		2.6	UGL	0.0
	UM20	C2H5CL	MDAX03X1	DV4W*447	XDJN	31-OCT-95	07-NOV-95	<		1.9	UGL	0.0
	UM20	C2H5CL	MDAX03X1	DV4W*235	XDJN	31-OCT-95	07-NOV-95	<		1.9	UGL	0.0
	UM20	C2H5CL	MDG307X1	DV4W*448	XDJN	31-OCT-95	07-NOV-95	<		1.9	UGL	0.0
	UM20	C2H5CL	MDG307X1	DV4W*165	XDJN	31-OCT-95	06-NOV-95	<		1.9	UGL	0.0
	UM20	C2H5CL	MDZM12X3	DV4W*275	XDJN	02-NOV-95	07-NOV-95	<		1.9	UGL	0.0
	UM20	C2H5CL	MDZM12X3	DV4W*450	XDKN	02-NOV-95	07-NOV-95	<		1.9	UGL	0.0
	UM20	C2H5CL	MD5703XX	DV4W*432	XDOM	13-SEP-95	21-SEP-95	<		1.9	UGL	0.0
	UM20	C2H5CL	MX5703XX	DV4W*202	XDNM	13-SEP-95	20-SEP-95	<		1.9	UGL	0.0

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 2, 7 Sites

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value Units		RPD
								<	>	
VOC'S IN WATER BY GC/MS	UM20	C2H5CL	MDAX03X1	DV4W*235	XDUN	31-OCT-95	07-NOV-95	<	1.9 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	C2H5CL	MDG307X1	DV4W*165	XDUN	31-OCT-95	06-NOV-95	<	1.9 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	C2H5CL	MDG307X1	DV4W*448	XDUN	31-OCT-95	07-NOV-95	<	1.9 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	C2H5CL	MDZM12X3	DV4W*450	XDUN	02-NOV-95	07-NOV-95	<	1.9 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	C2H5CL	MDZM12X3	DV4W*275	XDUN	02-NOV-95	07-NOV-95	<	1.9 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	C2H5CL	MD5703XX	DV4W*432	XDUN	13-SEP-95	21-SEP-95	<	1.9 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	C2H5CL	MD5703XX	DV4W*202	XDUN	13-SEP-95	20-SEP-95	<	1.9 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	C6H6	MDAX03X1	DV4W*447	XDUN	31-OCT-95	07-NOV-95	<	.5 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	C6H6	MDG307X1	DV4W*235	XDUN	31-OCT-95	07-NOV-95	<	.5 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	C6H6	MDG307X1	DV4W*448	XDUN	31-OCT-95	07-NOV-95	<	.5 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	C6H6	MDG307X1	DV4W*165	XDUN	31-OCT-95	06-NOV-95	<	.5 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	C6H6	MDZM12X3	DV4W*275	XDUN	02-NOV-95	07-NOV-95	<	.5 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	C6H6	MDZM12X3	DV4W*450	XDUN	02-NOV-95	07-NOV-95	<	.5 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	C6H6	MD5703XX	DV4W*432	XDUN	13-SEP-95	21-SEP-95	<	.5 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	C6H6	MD5703XX	DV4W*202	XDUN	13-SEP-95	20-SEP-95	<	.5 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	CCL3P	MDAX03X1	DV4W*447	XDUN	31-OCT-95	07-NOV-95	<	1.4 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	CCL3P	MDG307X1	DV4W*235	XDUN	31-OCT-95	07-NOV-95	<	1.4 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	CCL3P	MDG307X1	DV4W*448	XDUN	31-OCT-95	07-NOV-95	<	1.4 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	CCL3P	MDG307X1	DV4W*165	XDUN	31-OCT-95	06-NOV-95	<	1.4 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	CCL3P	MDZM12X3	DV4W*275	XDUN	02-NOV-95	07-NOV-95	<	1.4 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	CCL3P	MDZM12X3	DV4W*450	XDUN	02-NOV-95	07-NOV-95	<	1.4 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	CCL3P	MD5703XX	DV4W*432	XDUN	13-SEP-95	21-SEP-95	<	1.4 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	CCL3P	MD5703XX	DV4W*202	XDUN	13-SEP-95	20-SEP-95	<	1.4 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	CCLA	MDAX03X1	DV4W*447	XDUN	31-OCT-95	07-NOV-95	<	.58 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	CCLA	MDG307X1	DV4W*235	XDUN	31-OCT-95	07-NOV-95	<	.58 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	CCLA	MDG307X1	DV4W*448	XDUN	31-OCT-95	06-NOV-95	<	.58 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	CCLA	MDZM12X3	DV4W*275	XDUN	02-NOV-95	07-NOV-95	<	.58 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	CCLA	MDZM12X3	DV4W*450	XDUN	02-NOV-95	07-NOV-95	<	.58 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	CCLA	MD5703XX	DV4W*432	XDUN	13-SEP-95	21-SEP-95	<	.58 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	CCLA	MD5703XX	DV4W*202	XDUN	13-SEP-95	20-SEP-95	<	.58 UGL	0.0

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

[illegible]

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 2, 7 Sites

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Number	Lab Number	Lot	Sample Date	Analysis Date	<	Value Units	RPD
VOC'S IN WATER BY GC/MS	UM20	CHBR3	MDZM12X3	DV4W*450	XDKN	02-NOV-95	07-NOV-95	<	2.6 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	CHBR3	MDZM12X3	DV4W*275	XDKN	02-NOV-95	07-NOV-95	<	2.6 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	CHBR3	MD5703XX	DV4W*432	XDKN	13-SEP-95	21-SEP-95	<	2.6 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	CHBR3	MD5703XX	DV4W*202	XDKN	13-SEP-95	20-SEP-95	<	2.6 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	CHCL3	MDAX03X1	DV4W*235	XDKN	31-OCT-95	07-NOV-95	<	.67 UGL	29.1
VOC'S IN WATER BY GC/MS	UM20	CHCL3	MDAX03X1	DV4W*447	XDKN	31-OCT-95	07-NOV-95	<	.5 UGL	29.1
VOC'S IN WATER BY GC/MS	UM20	CHCL3	MDG307X1	DV4W*165	XDKN	31-OCT-95	06-NOV-95	<	.53 UGL	5.8
VOC'S IN WATER BY GC/MS	UM20	CHCL3	MDG307X1	DV4W*448	XDKN	31-OCT-95	07-NOV-95	<	.5 UGL	5.8
VOC'S IN WATER BY GC/MS	UM20	CHCL3	MDZM12X3	DV4W*275	XDKN	02-NOV-95	07-NOV-95	<	.55 UGL	9.5
VOC'S IN WATER BY GC/MS	UM20	CHCL3	MDZM12X3	DV4W*450	XDKN	02-NOV-95	07-NOV-95	<	.5 UGL	9.5
VOC'S IN WATER BY GC/MS	UM20	CHCL3	MD5703XX	DV4W*432	XDKN	13-SEP-95	21-SEP-95	<	.5 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	CHCL3	MD5703XX	DV4W*202	XDKN	13-SEP-95	20-SEP-95	<	.5 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	CL2BZ	MDAX03X1	DV4W*235	XDKN	31-OCT-95	07-NOV-95	<	10 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	CL2BZ	MDAX03X1	DV4W*447	XDKN	31-OCT-95	07-NOV-95	<	10 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	CL2BZ	MDG307X1	DV4W*448	XDKN	31-OCT-95	07-NOV-95	<	10 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	CL2BZ	MDG307X1	DV4W*165	XDKN	31-OCT-95	06-NOV-95	<	10 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	CL2BZ	MDZM12X3	DV4W*275	XDKN	02-NOV-95	07-NOV-95	<	10 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	CL2BZ	MDZM12X3	DV4W*450	XDKN	02-NOV-95	07-NOV-95	<	10 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	CL2BZ	MD5703XX	DV4W*432	XDKN	13-SEP-95	21-SEP-95	<	10 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	CL2BZ	MD5703XX	DV4W*202	XDKN	13-SEP-95	20-SEP-95	<	10 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	CLC6H5	MDAX03X1	DV4W*447	XDKN	31-OCT-95	07-NOV-95	<	.5 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	CLC6H5	MDAX03X1	DV4W*235	XDKN	31-OCT-95	07-NOV-95	<	.5 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	CLC6H5	MDG307X1	DV4W*448	XDKN	31-OCT-95	07-NOV-95	<	.5 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	CLC6H5	MDG307X1	DV4W*165	XDKN	31-OCT-95	06-NOV-95	<	.5 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	CLC6H5	MDZM12X3	DV4W*275	XDKN	02-NOV-95	07-NOV-95	<	.5 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	CLC6H5	MDZM12X3	DV4W*450	XDKN	02-NOV-95	07-NOV-95	<	.5 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	CLC6H5	MD5703XX	DV4W*432	XDKN	13-SEP-95	21-SEP-95	<	.5 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	CLC6H5	MD5703XX	DV4W*202	XDKN	13-SEP-95	20-SEP-95	<	.5 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	CS2	MDAX03X1	DV4W*235	XDKN	31-OCT-95	07-NOV-95	<	.5 UGL	0.0

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

IRDMIS Method Code	IRDMIS Field	Test Name	Sample Number			Lab Number	Lot	Sample Date	Analysis Date	Value Units		RPD
			Number		<							
UM20	VOC'S IN WATER BY GC/MS	CS2	MDAX03X1	DV4W*447	XDJN	31-OCT-95	07-NOV-95	<	.5	UGL	0.0	
UM20	VOC'S IN WATER BY GC/MS	CS2	MXG307X1	DV4W*165	XDJN	31-OCT-95	06-NOV-95	<	.5	UGL	0.0	
UM20	VOC'S IN WATER BY GC/MS	CS2	MDG307X1	DV4W*448	XDJN	31-OCT-95	07-NOV-95	<	.5	UGL	0.0	
UM20	VOC'S IN WATER BY GC/MS	CS2	MXZM12X3	DV4W*275	XDJN	02-NOV-95	07-NOV-95	<	.5	UGL	0.0	
UM20	VOC'S IN WATER BY GC/MS	CS2	MDZM12X3	DV4W*450	XDKN	02-NOV-95	07-NOV-95	<	.5	UGL	0.0	
UM20	VOC'S IN WATER BY GC/MS	CS2	MD5703XX	DV4W*432	XDOM	13-SEP-95	21-SEP-95	<	.5	UGL	0.0	
UM20	VOC'S IN WATER BY GC/MS	CS2	MXS703XX	DV4W*202	XDNM	13-SEP-95	20-SEP-95	<	.5	UGL	0.0	
UM20	VOC'S IN WATER BY GC/MS	DBRC1M	MXAX03X1	DV4W*235	XDJN	31-OCT-95	07-NOV-95	<	.67	UGL	0.0	
UM20	VOC'S IN WATER BY GC/MS	DBRC1M	MDAX03X1	DV4W*447	XDJN	31-OCT-95	07-NOV-95	<	.67	UGL	0.0	
UM20	VOC'S IN WATER BY GC/MS	DBRC1M	MDG307X1	DV4W*448	XDJN	31-OCT-95	07-NOV-95	<	.67	UGL	0.0	
UM20	VOC'S IN WATER BY GC/MS	DBRC1M	MXG307X1	DV4W*165	XDJN	31-OCT-95	06-NOV-95	<	.67	UGL	0.0	
UM20	VOC'S IN WATER BY GC/MS	DBRC1M	MXZM12X3	DV4W*275	XDJN	02-NOV-95	07-NOV-95	<	.67	UGL	0.0	
UM20	VOC'S IN WATER BY GC/MS	DBRC1M	MDZM12X3	DV4W*450	XDKN	02-NOV-95	07-NOV-95	<	.67	UGL	0.0	
UM20	VOC'S IN WATER BY GC/MS	DBRC1M	MD5703XX	DV4W*432	XDOM	13-SEP-95	21-SEP-95	<	.67	UGL	0.0	
UM20	VOC'S IN WATER BY GC/MS	DBRC1M	MXS703XX	DV4W*202	XDNM	13-SEP-95	20-SEP-95	<	.67	UGL	0.0	
UM20	VOC'S IN WATER BY GC/MS	ETC6H5	MXAX03X1	DV4W*235	XDJN	31-OCT-95	07-NOV-95	<	.5	UGL	0.0	
UM20	VOC'S IN WATER BY GC/MS	ETC6H5	MDAX03X1	DV4W*447	XDJN	31-OCT-95	07-NOV-95	<	.5	UGL	0.0	
UM20	VOC'S IN WATER BY GC/MS	ETC6H5	MDG307X1	DV4W*448	XDJN	31-OCT-95	07-NOV-95	<	.5	UGL	0.0	
UM20	VOC'S IN WATER BY GC/MS	ETC6H5	MXG307X1	DV4W*165	XDJN	31-OCT-95	06-NOV-95	<	.5	UGL	0.0	
UM20	VOC'S IN WATER BY GC/MS	ETC6H5	MXZM12X3	DV4W*275	XDKN	02-NOV-95	07-NOV-95	<	.5	UGL	169.2	
UM20	VOC'S IN WATER BY GC/MS	ETC6H5	MDZM12X3	DV4W*450	XDKN	02-NOV-95	07-NOV-95	<	.5	UGL	169.2	
UM20	VOC'S IN WATER BY GC/MS	ETC6H5	MD5703XX	DV4W*432	XDOM	13-SEP-95	21-SEP-95	<	.5	UGL	0.0	
UM20	VOC'S IN WATER BY GC/MS	ETC6H5	MXS703XX	DV4W*202	XDNM	13-SEP-95	20-SEP-95	<	.5	UGL	0.0	
UM20	VOC'S IN WATER BY GC/MS	ISOPBZ	MXS703X1	DV4W*171	XDJN	02-NOV-95	07-NOV-95	<	100	UGL	66.7	
UM20	VOC'S IN WATER BY GC/MS	ISOPBZ	MXS703X1	DV4W*171	XDJN	02-NOV-95	07-NOV-95	<	50	UGL	66.7	
UM20	VOC'S IN WATER BY GC/MS	MBC6H5	MXAX03X1	DV4W*235	XDJN	31-OCT-95	07-NOV-95	<	.5	UGL	0.0	
UM20	VOC'S IN WATER BY GC/MS	MBC6H5	MDG303X1	DV4W*447	XDJN	31-OCT-95	07-NOV-95	<	.5	UGL	0.0	
UM20	VOC'S IN WATER BY GC/MS	MBC6H5	MDG307X1	DV4W*448	XDJN	31-OCT-95	07-NOV-95	<	.5	UGL	0.0	
UM20	VOC'S IN WATER BY GC/MS	MBC6H5	MXG307X1	DV4W*165	XDJN	31-OCT-95	06-NOV-95	<	.5	UGL	0.0	

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

0.0

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 2, 7 Sites

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value	Units	RFD
VOC'S IN WATER BY GC/MS	UM20	STYR	MDAX03X1	DV4W*447	XDUN	31-OCT-95	07-NOV-95	<	.5 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	STYR	MDXG07X1	DV4W*165	XDUN	31-OCT-95	06-NOV-95	<	.5 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	STYR	MDXG07X1	DV4W*448	XDUN	31-OCT-95	07-NOV-95	<	.5 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	STYR	MDXG07X1	DV4W*275	XDUN	02-NOV-95	07-NOV-95	<	.5 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	STYR	MDXG07X1	DV4W*450	XDUN	02-NOV-95	07-NOV-95	<	.5 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	STYR	MDXG07X1	DV4W*432	XDUN	13-SEP-95	21-SEP-95	<	.5 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	STYR	MDXG07X1	DV4W*202	XDUN	13-SEP-95	20-SEP-95	<	.5 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	STYR	MDXG07X1	DV4W*447	XDUN	31-OCT-95	07-NOV-95	<	.7 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	STYR	MDXG07X1	DV4W*235	XDUN	31-OCT-95	07-NOV-95	<	.7 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	STYR	MDXG07X1	DV4W*448	XDUN	31-OCT-95	07-NOV-95	<	.7 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	STYR	MDXG07X1	DV4W*165	XDUN	31-OCT-95	06-NOV-95	<	.7 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	STYR	MDXG07X1	DV4W*450	XDUN	02-NOV-95	07-NOV-95	<	.7 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	STYR	MDXG07X1	DV4W*275	XDUN	02-NOV-95	07-NOV-95	<	.7 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	STYR	MDXG07X1	DV4W*432	XDUN	13-SEP-95	21-SEP-95	<	.7 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	STYR	MDXG07X1	DV4W*202	XDUN	13-SEP-95	20-SEP-95	<	.7 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	STYR	MDXG07X1	DV4W*447	XDUN	31-OCT-95	07-NOV-95	<	.51 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	STYR	MDXG07X1	DV4W*235	XDUN	31-OCT-95	07-NOV-95	<	.51 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	STYR	MDXG07X1	DV4W*448	XDUN	31-OCT-95	06-NOV-95	<	.51 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	STYR	MDXG07X1	DV4W*165	XDUN	31-OCT-95	07-NOV-95	<	.51 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	STYR	MDXG07X1	DV4W*450	XDUN	02-NOV-95	07-NOV-95	<	.51 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	STYR	MDXG07X1	DV4W*275	XDUN	02-NOV-95	07-NOV-95	<	.51 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	STYR	MDXG07X1	DV4W*432	XDUN	13-SEP-95	21-SEP-95	<	.51 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	STYR	MDXG07X1	DV4W*202	XDUN	13-SEP-95	20-SEP-95	<	.51 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	STYR	MDXG07X1	DV4W*447	XDUN	31-OCT-95	07-NOV-95	<	1.6 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	STYR	MDXG07X1	DV4W*235	XDUN	31-OCT-95	07-NOV-95	<	1.6 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	STYR	MDXG07X1	DV4W*448	XDUN	31-OCT-95	07-NOV-95	<	1.6 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	STYR	MDXG07X1	DV4W*165	XDUN	31-OCT-95	06-NOV-95	<	1.6 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	STYR	MDXG07X1	DV4W*450	XDUN	02-NOV-95	07-NOV-95	<	1.6 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	STYR	MDXG07X1	DV4W*275	XDUN	02-NOV-95	07-NOV-95	<	1.6 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	STYR	MDXG07X1	DV4W*432	XDUN	13-SEP-95	21-SEP-95	<	1.6 UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	STYR	MDXG07X1	DV4W*202	XDUN	13-SEP-95	20-SEP-95	<	1.6 UGL	0.0

SAMPLE DUPLICATES (NON-FILTERED SAMPLES)

SOL> @a2burr

TABLE D-19

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 2, 7 Sites

SAMPLE DUBLICATES (FILTERED SAMPLES)

IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS		IRMIS	
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SAMPLE DUPLICATES (FILTERED SAMPLES)

IRDMIS Method Code	IRDMIS Field Sample Number	Test Name	IRDMIS				Analysis Date	Value	Units	RPD
			Method Description	Lab Number	Lot	Sample Date				
SD22	AS	SD22	AS IN WATER BY GPAA	MDAX03X1	DV4P*447 YCRP	31-OCT-95	<	2.54	UGL	0.0
SD22	AS	SD22	AS IN WATER BY GPAA	MDG307X1	DV4P*165 YCRP	31-OCT-95	<	2.54	UGL	0.0
SD22	AS	SD22	AS IN WATER BY GPAA	MDG307X1	DV4P*448 YCRP	31-OCT-95	<	2.54	UGL	0.0
SD22	AS	SD22	AS IN WATER BY GPAA	MDZM12X3	DV4P*450 YCSP	02-NOV-95	<	2.54	UGL	0.0
SD22	AS	SD22	AS IN WATER BY GPAA	MDZM12X3	DV4P*275 YCSP	02-NOV-95	<	2.54	UGL	0.0
SD28	SB	SD28	SB IN WATER BY GPAA	MDAX03X1	DV4P*235 NPMD	31-OCT-95	<	3.03	UGL	0.0
SD28	SB	SD28	SB IN WATER BY GPAA	MDAX03X1	DV4P*447 NPMD	31-OCT-95	<	3.03	UGL	0.0
SD28	SB	SD28	SB IN WATER BY GPAA	MDG307X1	DV4P*165 NPMD	31-OCT-95	<	3.03	UGL	0.0
SD28	SB	SD28	SB IN WATER BY GPAA	MDG307X1	DV4P*448 NPMD	31-OCT-95	<	3.03	UGL	0.0
SD28	SB	SD28	SB IN WATER BY GPAA	MDZM12X3	DV4P*450 NPXD	02-NOV-95	<	3.03	UGL	0.0
SD28	SB	SD28	SB IN WATER BY GPAA	MDZM12X3	DV4P*275 NPXD	02-NOV-95	<	3.03	UGL	0.0
SS10	AG	SS10	METALS IN WATER BY ICAP	MDZM12X3	DV4P*275 ZPTP	02-NOV-95	<	4.6	UGL	0.0
SS10	AG	SS10	METALS IN WATER BY ICAP	MDZM12X3	DV4P*450 ZPTP	02-NOV-95	<	4.6	UGL	0.0
SS10	AL	SS10	METALS IN WATER BY ICAP	MDZM12X3	DV4P*275 ZPTP	02-NOV-95	<	141	UGL	0.0
SS10	AL	SS10	METALS IN WATER BY ICAP	MDZM12X3	DV4P*450 ZPTP	02-NOV-95	<	141	UGL	0.0
SS10	BA	SS10	METALS IN WATER BY ICAP	MDZM12X3	DV4P*275 ZPTP	02-NOV-95	<	5	UGL	0.0
SS10	BA	SS10	METALS IN WATER BY ICAP	MDZM12X3	DV4P*450 ZPTP	02-NOV-95	<	5	UGL	0.0
SS10	BE	SS10	METALS IN WATER BY ICAP	MDZM12X3	DV4P*275 ZPTP	02-NOV-95	<	5	UGL	0.0
SS10	BE	SS10	METALS IN WATER BY ICAP	MDZM12X3	DV4P*450 ZPTP	02-NOV-95	<	5	UGL	0.0
SS10	CA	SS10	METALS IN WATER BY ICAP	MDZM12X3	DV4P*275 ZPTP	02-NOV-95	<	20900	UGL	6.4
SS10	CA	SS10	METALS IN WATER BY ICAP	MDZM12X3	DV4P*450 ZPTP	02-NOV-95	<	19600	UGL	6.4
SS10	CD	SS10	METALS IN WATER BY ICAP	MDZM12X3	DV4P*275 ZPTP	02-NOV-95	<	4.01	UGL	0.0
SS10	CD	SS10	METALS IN WATER BY ICAP	MDZM12X3	DV4P*450 ZPTP	02-NOV-95	<	4.01	UGL	0.0

SAMPLE DUPLICATES (FILTERED SAMPLES)

```
SQL> update chem set meth=rtrim(meth);
SQL> commit;
SQL> ef:\rbonline
SQL> update cqc set meth=rtrim(meth);
SQL> commit;
SQL> ea2meth
```

TABLE D-20

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

SAMPLE DUPLICATES

Method Description	IRMIS Method Code	Test Name	Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	<	Value	Units	RPD
HARDNESS	1302	HARD	KX5701X2	DV4W*168	PJAZ	13-FEB-96	19-FEB-96		20000	UGL	8.3
HARDNESS	1302	HARD	MD5701X2	DV4W*455	PJZ	13-FEB-96	26-FEB-96		18400	UGL	8.3
HARDNESS	1302	HARD	MD5703X2	DV4W*458	PJUY	14-FEB-96	28-FEB-96		28400	UGL	5.8
HARDNESS	1302	HARD	KX5703X2	DV4W*172	PJUY	14-FEB-96	28-FEB-96		26800	UGL	5.8
HARDNESS	1302	HARD	MDX04X2	DV4W*457	PJUY	15-FEB-96	29-FEB-96		264000	UGL	190.0
HARDNESS	1302	HARD	MDX04X2	DV4W*238	PJUY	15-FEB-96	28-FEB-96		6800	UGL	190.0
HARDNESS	1302	HARD	KXZM11X4	DV4W*274	PJUY	14-FEB-96	28-FEB-96		66200	UGL	7.8
HARDNESS	1302	HARD	MDZM11X4	DV4W*456	PJUY	14-FEB-96	28-FEB-96		61200	UGL	7.8
ALKALINITY	3101	ALK	MD5701X2	DV4W*455	PJYD	13-FEB-96	20-FEB-96		6000	UGL	18.2
ALKALINITY	3101	ALK	KX5701X2	DV4W*168	PJBY	13-FEB-96	19-FEB-96		5000	UGL	18.2
ALKALINITY	3101	ALK	MD5703X2	DV4W*172	PJSY	14-FEB-96	26-FEB-96		38200	UGL	.5
ALKALINITY	3101	ALK	MD5703X2	DV4W*458	PJSY	14-FEB-96	26-FEB-96		38000	UGL	.5
ALKALINITY	3101	ALK	MDX04X2	DV4W*457	PJSY	15-FEB-96	26-FEB-96		225000	UGL	4.1
ALKALINITY	3101	ALK	MDX04X2	DV4W*238	PJSY	15-FEB-96	26-FEB-96		216000	UGL	4.1
ALKALINITY	3101	ALK	MDZM11X4	DV4W*456	PJSY	14-FEB-96	26-FEB-96		45000	UGL	2.2
ALKALINITY	3101	ALK	KXZM11X4	DV4W*274	PJSY	14-FEB-96	26-FEB-96		44000	UGL	2.2
HG IN WATER BY CVAA	SB01	HG	MD5701X2	DV4W*455	QJRD	13-FEB-96	12-MAR-96	<	.243	UGL	.0
HG IN WATER BY CVAA	SB01	HG	KX5701X2	DV4W*168	QJQD	13-FEB-96	11-MAR-96	<	.243	UGL	.0
HG IN WATER BY CVAA	SB01	HG	MD5703X2	DV4W*458	QJSD	14-FEB-96	13-MAR-96	<	.243	UGL	.0
HG IN WATER BY CVAA	SB01	HG	KX5703X2	DV4W*172	QJRD	14-FEB-96	12-MAR-96	<	.243	UGL	.0
HG IN WATER BY CVAA	SB01	HG	MDX04X2	DV4W*457	QJSD	15-FEB-96	13-MAR-96	<	.243	UGL	.0
HG IN WATER BY CVAA	SB01	HG	MDX04X2	DV4W*238	QJRD	15-FEB-96	12-MAR-96	<	.243	UGL	.0
HG IN WATER BY CVAA	SB01	HG	KXZM11X4	DV4W*274	QJQD	14-FEB-96	11-MAR-96	<	.243	UGL	.0
HG IN WATER BY CVAA	SB01	HG	MDZM11X4	DV4W*456	QJSD	14-FEB-96	13-MAR-96	<	.243	UGL	.0
TL IN WATER BY GFAA	SD09	TL	KX5701X2	DV4W*168	UCXB	13-FEB-96	19-MAR-96	<	6.99	UGL	.0
TL IN WATER BY GFAA	SD09	TL	MD5701X2	DV4W*455	UCYB	13-FEB-96	20-MAR-96	<	6.99	UGL	.0
TL IN WATER BY GFAA	SD09	TL	KX5703X2	DV4W*172	UCYB	14-FEB-96	20-MAR-96	<	6.99	UGL	.0

Group 4 Sites

SAMPLE DUBLICATRS

[illegible]

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

SAMPLE DUPLICATES

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Number	Lab Number	Lot	Sample Date	Analysis Date	<	Value Units	RPD
AS IN WATER BY GPAA	SD22	AS	MDZM11X4	DV4W*274	YCFC	14-FEB-96	24-MAR-96	<	11.3 UGL	14.0
AS IN WATER BY GPAA	SD22	AS	MDZM11X4	DV4W*456	YCHG	14-FEB-96	19-MAR-96	<	13 UGL	14.0
SB IN WATER BY GPAA	SD28	SB	MD5701X2	DV4W*455	NFKB	13-FEB-96	14-MAR-96	<	3.03 UGL	.0
SB IN WATER BY GPAA	SD28	SB	MD5701X2	DV4W*168	NFKB	13-FEB-96	13-MAR-96	<	3.03 UGL	.0
SB IN WATER BY GPAA	SD28	SB	MD5703X2	DV4W*458	NFKB	14-FEB-96	21-MAR-96	<	3.03 UGL	.0
SB IN WATER BY GPAA	SD28	SB	MD5703X2	DV4W*172	NFKB	14-FEB-96	14-MAR-96	<	3.03 UGL	.0
SB IN WATER BY GPAA	SD28	SB	MD5703X2	DV4W*457	NFKB	15-FEB-96	21-MAR-96	<	3.03 UGL	.0
SB IN WATER BY GPAA	SD28	SB	MD5703X2	DV4W*238	NFKB	15-FEB-96	14-MAR-96	<	3.03 UGL	.0
SB IN WATER BY GPAA	SD28	SB	MD5703X2	DV4W*274	NFKB	14-FEB-96	13-MAR-96	<	3.03 UGL	.0
SB IN WATER BY GPAA	SD28	SB	MD5703X2	DV4W*456	NFKB	14-FEB-96	21-MAR-96	<	3.03 UGL	.0
METALS IN WATER BY ICAP	SS10	AG	MD5701X2	DV4W*455	ZFAG	13-FEB-96	08-MAR-96	<	4.6 UGL	.0
METALS IN WATER BY ICAP	SS10	AG	MD5701X2	DV4W*168	ZFAG	13-FEB-96	08-MAR-96	<	4.6 UGL	.0
METALS IN WATER BY ICAP	SS10	AG	MD5703X2	DV4W*458	ZFAG	14-FEB-96	12-MAR-96	<	4.6 UGL	.0
METALS IN WATER BY ICAP	SS10	AG	MD5703X2	DV4W*172	ZFAG	14-FEB-96	08-MAR-96	<	4.6 UGL	.0
METALS IN WATER BY ICAP	SS10	AG	MD5703X2	DV4W*457	ZFAG	15-FEB-96	12-MAR-96	<	4.6 UGL	.0
METALS IN WATER BY ICAP	SS10	AG	MD5703X2	DV4W*238	ZFAG	15-FEB-96	08-MAR-96	<	4.6 UGL	.0
METALS IN WATER BY ICAP	SS10	AG	MD5703X2	DV4W*274	ZFAG	14-FEB-96	08-MAR-96	<	4.6 UGL	.0
METALS IN WATER BY ICAP	SS10	AG	MD5703X2	DV4W*456	ZFAG	14-FEB-96	12-MAR-96	<	4.6 UGL	.0
METALS IN WATER BY ICAP	SS10	AL	MD5701X2	DV4W*168	ZFAG	13-FEB-96	08-MAR-96	<	141 UGL	.0
METALS IN WATER BY ICAP	SS10	AL	MD5701X2	DV4W*455	ZFAG	13-FEB-96	08-MAR-96	<	141 UGL	.0
METALS IN WATER BY ICAP	SS10	AL	MD5703X2	DV4W*458	ZFAG	14-FEB-96	12-MAR-96	<	263 UGL	60.4
METALS IN WATER BY ICAP	SS10	AL	MD5703X2	DV4W*172	ZFAG	14-FEB-96	08-MAR-96	<	141 UGL	60.4
METALS IN WATER BY ICAP	SS10	AL	MD5703X2	DV4W*457	ZFAG	15-FEB-96	12-MAR-96	<	685 UGL	36.6
METALS IN WATER BY ICAP	SS10	AL	MD5703X2	DV4W*238	ZFAG	15-FEB-96	08-MAR-96	<	473 UGL	36.6
METALS IN WATER BY ICAP	SS10	AL	MD5703X2	DV4W*274	ZFAG	14-FEB-96	08-MAR-96	<	141 UGL	.0
METALS IN WATER BY ICAP	SS10	AL	MD5703X2	DV4W*456	ZFAG	14-FEB-96	12-MAR-96	<	141 UGL	.0
METALS IN WATER BY ICAP	SS10	BA	MD5701X2	DV4W*455	ZFAG	13-FEB-96	08-MAR-96	<	12.8 UGL	1.6

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

SAMPLE DUPLICATES

Method Description	IRDMIS Method Code	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	<	Value Units	RPD
METALS IN WATER BY ICAP	SS10	BA	MX5701X2	DV4W*168	ZPZP	13-FEB-96	08-MAR-96	12.6 UGL	1.6
METALS IN WATER BY ICAP	SS10	BA	MX5703X2	DV4W*458	ZPBG	14-FEB-96	12-MAR-96	47.6 UGL	24.0
METALS IN WATER BY ICAP	SS10	BA	MX5703X2	DV4W*172	ZPAG	14-FEB-96	08-MAR-96	37.4 UGL	24.0
METALS IN WATER BY ICAP	SS10	BA	MX5703X2	DV4W*238	ZPAG	15-FEB-96	08-MAR-96	14.8 UGL	.7
METALS IN WATER BY ICAP	SS10	BA	MDAX04X2	DV4W*457	ZPBG	15-FEB-96	12-MAR-96	14.7 UGL	.7
METALS IN WATER BY ICAP	SS10	BA	MDX04X2	DV4W*456	ZPBG	14-FEB-96	12-MAR-96	7.44 UGL	7.1
METALS IN WATER BY ICAP	SS10	BA	MX2W11X4	DV4W*274	ZPZP	14-FEB-96	08-MAR-96	6.93 UGL	7.1
METALS IN WATER BY ICAP	SS10	BE	MX5701X2	DV4W*168	ZPZP	13-FEB-96	08-MAR-96	5 UGL	.0
METALS IN WATER BY ICAP	SS10	BE	MX5703X2	DV4W*455	ZPAG	13-FEB-96	08-MAR-96	5 UGL	.0
METALS IN WATER BY ICAP	SS10	BE	MX5703X2	DV4W*172	ZPAG	14-FEB-96	08-MAR-96	5 UGL	.0
METALS IN WATER BY ICAP	SS10	BE	MX5703X2	DV4W*458	ZPBG	14-FEB-96	12-MAR-96	5 UGL	.0
METALS IN WATER BY ICAP	SS10	BE	MXAX04X2	DV4W*238	ZPAG	15-FEB-96	08-MAR-96	5 UGL	.0
METALS IN WATER BY ICAP	SS10	BE	MDAX04X2	DV4W*457	ZPBG	15-FEB-96	12-MAR-96	5 UGL	.0
METALS IN WATER BY ICAP	SS10	BE	MX2W11X4	DV4W*274	ZPZP	14-FEB-96	08-MAR-96	5 UGL	.0
METALS IN WATER BY ICAP	SS10	BE	MDXW11X4	DV4W*456	ZPBG	14-FEB-96	12-MAR-96	5 UGL	.0
METALS IN WATER BY ICAP	SS10	CA	MX5701X2	DV4W*168	ZPZP	13-FEB-96	08-MAR-96	6050 UGL	1.5
METALS IN WATER BY ICAP	SS10	CA	MX5703X2	DV4W*455	ZPAG	13-FEB-96	08-MAR-96	5960 UGL	1.5
METALS IN WATER BY ICAP	SS10	CA	MX5703X2	DV4W*172	ZPAG	14-FEB-96	08-MAR-96	9740 UGL	9.1
METALS IN WATER BY ICAP	SS10	CA	MX5703X2	DV4W*458	ZPBG	14-FEB-96	12-MAR-96	8890 UGL	9.1
METALS IN WATER BY ICAP	SS10	CA	MXAX04X2	DV4W*238	ZPAG	15-FEB-96	08-MAR-96	68300 UGL	1.0
METALS IN WATER BY ICAP	SS10	CA	MDAX04X2	DV4W*457	ZPBG	15-FEB-96	12-MAR-96	67600 UGL	1.0
METALS IN WATER BY ICAP	SS10	CA	MX2W11X4	DV4W*274	ZPZP	14-FEB-96	08-MAR-96	21600 UGL	.0
METALS IN WATER BY ICAP	SS10	CA	MDXW11X4	DV4W*456	ZPBG	14-FEB-96	12-MAR-96	21600 UGL	.0
METALS IN WATER BY ICAP	SS10	CD	MX5701X2	DV4W*168	ZPZP	13-FEB-96	08-MAR-96	4.01 UGL	.0
METALS IN WATER BY ICAP	SS10	CD	MX5703X2	DV4W*455	ZPAG	13-FEB-96	08-MAR-96	4.01 UGL	.0
METALS IN WATER BY ICAP	SS10	CD	MX5703X2	DV4W*172	ZPAG	14-FEB-96	08-MAR-96	4.01 UGL	.0
METALS IN WATER BY ICAP	SS10	CD	MX5703X2	DV4W*458	ZPBG	14-FEB-96	12-MAR-96	4.01 UGL	.0
METALS IN WATER BY ICAP	SS10	CD	MXAX04X2	DV4W*238	ZPAG	15-FEB-96	08-MAR-96	4.01 UGL	.0
METALS IN WATER BY ICAP	SS10	CD	MDAX04X2	DV4W*457	ZPBG	15-FEB-96	12-MAR-96	4.01 UGL	.0
METALS IN WATER BY ICAP	SS10	CD	MX2W11X4	DV4W*274	ZPZP	14-FEB-96	08-MAR-96	4.01 UGL	.0

SAMPLE DUBLICATBS

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab			Sample Date	Analysis Date	<	Value	Units	RPD
				Number	Lot							
METALS IN WATER BY ICAP	SS10	CD	MDZW11X4	DV4W*456 ZFBG			14-FEB-96	12-MAR-96	<	4.01	UGL	.0
METALS IN WATER BY ICAP	SS10	CO	KX5701X2	DV4W*168 ZPZF			13-FEB-96	08-MAR-96	<	25	UGL	.0
METALS IN WATER BY ICAP	SS10	CO	MD5701X2	DV4W*455 ZFAG			13-FEB-96	08-MAR-96	<	25	UGL	.0
METALS IN WATER BY ICAP	SS10	CO	MD5703X2	DV4W*458 ZFBG			14-FEB-96	12-MAR-96	<	25	UGL	.0
METALS IN WATER BY ICAP	SS10	CO	KX5703X2	DV4W*172 ZFAG			14-FEB-96	08-MAR-96	<	25	UGL	.0
METALS IN WATER BY ICAP	SS10	CO	KMX040X2	DV4W*238 ZFAG			15-FEB-96	08-MAR-96	<	25	UGL	.0
METALS IN WATER BY ICAP	SS10	CO	MDAX04X2	DV4W*457 ZFBG			15-FEB-96	12-MAR-96	<	25	UGL	.0
METALS IN WATER BY ICAP	SS10	CO	KXZM11X4	DV4W*274 ZPZF			14-FEB-96	08-MAR-96	<	25	UGL	.0
METALS IN WATER BY ICAP	SS10	CO	MDZW11X4	DV4W*456 ZFBG			14-FEB-96	12-MAR-96	<	25	UGL	.0
METALS IN WATER BY ICAP	SS10	CR	KX5701X2	DV4W*168 ZPZF			13-FEB-96	08-MAR-96	<	6.02	UGL	.0
METALS IN WATER BY ICAP	SS10	CR	MD5701X2	DV4W*455 ZFAG			13-FEB-96	08-MAR-96	<	6.02	UGL	.0
METALS IN WATER BY ICAP	SS10	CR	KX5703X2	DV4W*172 ZFAG			14-FEB-96	08-MAR-96	<	6.02	UGL	.0
METALS IN WATER BY ICAP	SS10	CR	MD5703X2	DV4W*458 ZFBG			14-FEB-96	12-MAR-96	<	6.02	UGL	.0
METALS IN WATER BY ICAP	SS10	CR	MDAX04X2	DV4W*457 ZFBG			15-FEB-96	08-MAR-96	<	6.02	UGL	.0
METALS IN WATER BY ICAP	SS10	CR	KMX040X2	DV4W*238 ZFAG			15-FEB-96	12-MAR-96	<	6.02	UGL	.0
METALS IN WATER BY ICAP	SS10	CR	KXZM11X4	DV4W*274 ZPZF			14-FEB-96	08-MAR-96	<	6.02	UGL	.0
METALS IN WATER BY ICAP	SS10	CR	MDZW11X4	DV4W*456 ZFBG			14-FEB-96	12-MAR-96	<	6.02	UGL	.0
METALS IN WATER BY ICAP	SS10	CU	KX5701X2	DV4W*168 ZPZF			13-FEB-96	08-MAR-96	<	8.09	UGL	.0
METALS IN WATER BY ICAP	SS10	CU	MD5701X2	DV4W*455 ZFAG			13-FEB-96	08-MAR-96	<	8.09	UGL	.0
METALS IN WATER BY ICAP	SS10	CU	MD5703X2	DV4W*458 ZFBG			14-FEB-96	12-MAR-96	<	8.09	UGL	.0
METALS IN WATER BY ICAP	SS10	CU	KX5703X2	DV4W*172 ZFAG			14-FEB-96	08-MAR-96	<	8.09	UGL	.0
METALS IN WATER BY ICAP	SS10	CU	MDAX04X2	DV4W*457 ZFBG			15-FEB-96	12-MAR-96	<	17.2	UGL	47.5
METALS IN WATER BY ICAP	SS10	CU	KMX040X2	DV4W*238 ZFAG			15-FEB-96	08-MAR-96	<	10.6	UGL	47.5
METALS IN WATER BY ICAP	SS10	CU	KXZM11X4	DV4W*274 ZPZF			14-FEB-96	08-MAR-96	<	8.09	UGL	.0
METALS IN WATER BY ICAP	SS10	CU	MDZW11X4	DV4W*456 ZFBG			14-FEB-96	12-MAR-96	<	8.09	UGL	.0
METALS IN WATER BY ICAP	SS10	PB	KX5701X2	DV4W*168 ZPZF			13-FEB-96	08-MAR-96	<	38.8	UGL	.0
METALS IN WATER BY ICAP	SS10	PB	MD5701X2	DV4W*455 ZFAG			13-FEB-96	08-MAR-96	<	38.8	UGL	.0
METALS IN WATER BY ICAP	SS10	PB	KX5703X2	DV4W*172 ZFAG			14-FEB-96	08-MAR-96	<	11700	UGL	45.0
METALS IN WATER BY ICAP	SS10	PB	MD5703X2	DV4W*458 ZFBG			14-FEB-96	12-MAR-96	<	7400	UGL	45.0

Chemical Quality Control Report
Installation: Port Devens, MA (DV)
Group 4 Sites

SAMPLE DUPLICATES

IRDMIS		IRDMIS		Field		Lab		Sample		Analysis		Value Units		RPD	
Method	Code	Test	Name	Sample Number	Field Number	Lab Number	Lot	Sample Date	Field Date	Analysis Date	Field Date	Value	Units	RPD	Field Date
METALS IN WATER BY ICAP	SS10	FE	MDX04X2	DV4N*238 ZFAG	15-FEB-96	15-FEB-96	15-FEB-96	15-FEB-96	15-FEB-96	08-MAR-96	08-MAR-96	652	UGL	4.1	08-MAR-96
METALS IN WATER BY ICAP	SS10	FE	MDX04X2	DV4N*457 ZFBG	15-FEB-96	15-FEB-96	15-FEB-96	15-FEB-96	15-FEB-96	12-MAR-96	12-MAR-96	626	UGL	4.1	12-MAR-96
METALS IN WATER BY ICAP	SS10	FE	MDX04X2	DV4N*274 ZFAG	14-FEB-96	14-FEB-96	14-FEB-96	14-FEB-96	14-FEB-96	08-MAR-96	08-MAR-96	807	UGL	29.6	08-MAR-96
METALS IN WATER BY ICAP	SS10	FE	MDX04X2	DV4N*456 ZFBG	14-FEB-96	14-FEB-96	14-FEB-96	14-FEB-96	14-FEB-96	12-MAR-96	12-MAR-96	599	UGL	29.6	12-MAR-96
METALS IN WATER BY ICAP	SS10	K	MDX04X2	DV4N*455 ZFAG	13-FEB-96	13-FEB-96	13-FEB-96	13-FEB-96	13-FEB-96	08-MAR-96	08-MAR-96	1410	UGL	22.9	08-MAR-96
METALS IN WATER BY ICAP	SS10	K	MDX04X2	DV4N*168 ZFAG	13-FEB-96	13-FEB-96	13-FEB-96	13-FEB-96	13-FEB-96	08-MAR-96	08-MAR-96	1120	UGL	22.9	08-MAR-96
METALS IN WATER BY ICAP	SS10	K	MDX04X2	DV4N*172 ZFAG	14-FEB-96	14-FEB-96	14-FEB-96	14-FEB-96	14-FEB-96	08-MAR-96	08-MAR-96	2130	UGL	15.2	08-MAR-96
METALS IN WATER BY ICAP	SS10	K	MDX04X2	DV4N*458 ZFBG	14-FEB-96	14-FEB-96	14-FEB-96	14-FEB-96	14-FEB-96	12-MAR-96	12-MAR-96	1830	UGL	15.2	12-MAR-96
METALS IN WATER BY ICAP	SS10	K	MDX04X2	DV4N*457 ZFBG	15-FEB-96	15-FEB-96	15-FEB-96	15-FEB-96	15-FEB-96	12-MAR-96	12-MAR-96	2370	UGL	.0	12-MAR-96
METALS IN WATER BY ICAP	SS10	K	MDX04X2	DV4N*238 ZFAG	15-FEB-96	15-FEB-96	15-FEB-96	15-FEB-96	15-FEB-96	08-MAR-96	08-MAR-96	2370	UGL	.0	08-MAR-96
METALS IN WATER BY ICAP	SS10	K	MDX04X2	DV4N*274 ZFAG	14-FEB-96	14-FEB-96	14-FEB-96	14-FEB-96	14-FEB-96	08-MAR-96	08-MAR-96	1670	UGL	6.8	08-MAR-96
METALS IN WATER BY ICAP	SS10	K	MDX04X2	DV4N*456 ZFBG	14-FEB-96	14-FEB-96	14-FEB-96	14-FEB-96	14-FEB-96	12-MAR-96	12-MAR-96	1560	UGL	6.8	12-MAR-96
METALS IN WATER BY ICAP	SS10	MG	MDX04X2	DV4N*168 ZFAG	13-FEB-96	13-FEB-96	13-FEB-96	13-FEB-96	13-FEB-96	08-MAR-96	08-MAR-96	650	UGL	3.6	08-MAR-96
METALS IN WATER BY ICAP	SS10	MG	MDX04X2	DV4N*455 ZFAG	13-FEB-96	13-FEB-96	13-FEB-96	13-FEB-96	13-FEB-96	08-MAR-96	08-MAR-96	627	UGL	3.6	08-MAR-96
METALS IN WATER BY ICAP	SS10	MG	MDX04X2	DV4N*458 ZFBG	14-FEB-96	14-FEB-96	14-FEB-96	14-FEB-96	14-FEB-96	12-MAR-96	12-MAR-96	758	UGL	5.8	12-MAR-96
METALS IN WATER BY ICAP	SS10	MG	MDX04X2	DV4N*172 ZFAG	14-FEB-96	14-FEB-96	14-FEB-96	14-FEB-96	14-FEB-96	08-MAR-96	08-MAR-96	715	UGL	5.8	08-MAR-96
METALS IN WATER BY ICAP	SS10	MG	MDX04X2	DV4N*238 ZFAG	15-FEB-96	15-FEB-96	15-FEB-96	15-FEB-96	15-FEB-96	08-MAR-96	08-MAR-96	10100	UGL	1.4	08-MAR-96
METALS IN WATER BY ICAP	SS10	MG	MDX04X2	DV4N*457 ZFBG	15-FEB-96	15-FEB-96	15-FEB-96	15-FEB-96	15-FEB-96	12-MAR-96	12-MAR-96	9960	UGL	1.4	12-MAR-96
METALS IN WATER BY ICAP	SS10	MG	MDX04X2	DV4N*456 ZFBG	14-FEB-96	14-FEB-96	14-FEB-96	14-FEB-96	14-FEB-96	12-MAR-96	12-MAR-96	2430	UGL	.0	12-MAR-96
METALS IN WATER BY ICAP	SS10	MG	MDX04X2	DV4N*274 ZFAG	14-FEB-96	14-FEB-96	14-FEB-96	14-FEB-96	14-FEB-96	08-MAR-96	08-MAR-96	2430	UGL	.0	08-MAR-96
METALS IN WATER BY ICAP	SS10	MN	MDX04X2	DV4N*168 ZFAG	13-FEB-96	13-FEB-96	13-FEB-96	13-FEB-96	13-FEB-96	08-MAR-96	08-MAR-96	32.1	UGL	5.4	08-MAR-96
METALS IN WATER BY ICAP	SS10	MN	MDX04X2	DV4N*455 ZFAG	13-FEB-96	13-FEB-96	13-FEB-96	13-FEB-96	13-FEB-96	08-MAR-96	08-MAR-96	30.4	UGL	5.4	08-MAR-96
METALS IN WATER BY ICAP	SS10	MN	MDX04X2	DV4N*172 ZFAG	14-FEB-96	14-FEB-96	14-FEB-96	14-FEB-96	14-FEB-96	08-MAR-96	08-MAR-96	348	UGL	22.7	08-MAR-96
METALS IN WATER BY ICAP	SS10	MN	MDX04X2	DV4N*458 ZFBG	14-FEB-96	14-FEB-96	14-FEB-96	14-FEB-96	14-FEB-96	12-MAR-96	12-MAR-96	277	UGL	22.7	12-MAR-96
METALS IN WATER BY ICAP	SS10	MN	MDX04X2	DV4N*238 ZFAG	15-FEB-96	15-FEB-96	15-FEB-96	15-FEB-96	15-FEB-96	08-MAR-96	08-MAR-96	1910	UGL	1.6	08-MAR-96
METALS IN WATER BY ICAP	SS10	MN	MDX04X2	DV4N*457 ZFBG	15-FEB-96	15-FEB-96	15-FEB-96	15-FEB-96	15-FEB-96	12-MAR-96	12-MAR-96	1880	UGL	1.6	12-MAR-96
METALS IN WATER BY ICAP	SS10	MN	MDX04X2	DV4N*274 ZFAG	14-FEB-96	14-FEB-96	14-FEB-96	14-FEB-96	14-FEB-96	08-MAR-96	08-MAR-96	505	UGL	2.4	08-MAR-96
METALS IN WATER BY ICAP	SS10	MN	MDX04X2	DV4N*456 ZFBG	14-FEB-96	14-FEB-96	14-FEB-96	14-FEB-96	14-FEB-96	12-MAR-96	12-MAR-96	493	UGL	2.4	12-MAR-96
METALS IN WATER BY ICAP	SS10	NA	MDX04X2	DV4N*455 ZFAG	13-FEB-96	13-FEB-96	13-FEB-96	13-FEB-96	13-FEB-96	08-MAR-96	08-MAR-96	16600	UGL	2.4	08-MAR-96

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

SAMPLE DUPLICATES

IRDMIS Method Code	IRDMIS Field Number	Test Name	Lab Number	Sample Date	Analysis Date	Value Units	RPD
METALS IN WATER BY ICAP	SS10	NA	DV4W*168 ZFZP	13-FEB-96	08-MAR-96	16200 UGL	2.4
METALS IN WATER BY ICAP	SS10	NA	DV4W*172 ZFAG	14-FEB-96	08-MAR-96	1840 UGL	10.9
METALS IN WATER BY ICAP	SS10	NA	DV4W*458 ZFBG	14-FEB-96	12-MAR-96	1650 UGL	10.9
METALS IN WATER BY ICAP	SS10	NA	DV4W*238 ZFAG	15-FEB-96	08-MAR-96	63600 UGL	2.7
METALS IN WATER BY ICAP	SS10	NA	MDAX04X2	DV4W*457 ZFBG	15-FEB-96	61900 UGL	2.7
METALS IN WATER BY ICAP	SS10	NA	MDZW11X4	DV4W*456 ZFBG	14-FEB-96	30000 UGL	.7
METALS IN WATER BY ICAP	SS10	NA	MDZW11X4	DV4W*274 ZFZP	14-FEB-96	29800 UGL	.7
METALS IN WATER BY ICAP	SS10	NI	MD5701X2	DV4W*455 ZFAG	13-FEB-96	34.3 UGL	.0
METALS IN WATER BY ICAP	SS10	NI	MD5703X2	DV4W*168 ZFZP	13-FEB-96	34.3 UGL	.0
METALS IN WATER BY ICAP	SS10	NI	MD5703X2	DV4W*458 ZFBG	14-FEB-96	34.3 UGL	.0
METALS IN WATER BY ICAP	SS10	NI	MD5703X2	DV4W*172 ZFAG	14-FEB-96	34.3 UGL	.0
METALS IN WATER BY ICAP	SS10	NI	MDAX04X2	DV4W*238 ZFAG	15-FEB-96	52.1 UGL	19.4
METALS IN WATER BY ICAP	SS10	NI	MDAX04X2	DV4W*457 ZFBG	15-FEB-96	42.9 UGL	19.4
METALS IN WATER BY ICAP	SS10	NI	MDZW11X4	DV4W*456 ZFBG	14-FEB-96	34.3 UGL	.0
METALS IN WATER BY ICAP	SS10	NI	MDZW11X4	DV4W*274 ZFZP	14-FEB-96	34.3 UGL	.0
METALS IN WATER BY ICAP	SS10	V	MD5701X2	DV4W*168 ZFZP	13-FEB-96	11 UGL	.0
METALS IN WATER BY ICAP	SS10	V	MD5701X2	DV4W*455 ZFAG	13-FEB-96	11 UGL	.0
METALS IN WATER BY ICAP	SS10	V	MD5703X2	DV4W*172 ZFAG	14-FEB-96	11 UGL	.0
METALS IN WATER BY ICAP	SS10	V	MD5703X2	DV4W*458 ZFBG	14-FEB-96	11 UGL	.0
METALS IN WATER BY ICAP	SS10	V	MDAX04X2	DV4W*457 ZFBG	15-FEB-96	11 UGL	.0
METALS IN WATER BY ICAP	SS10	V	MDAX04X2	DV4W*238 ZFAG	15-FEB-96	11 UGL	.0
METALS IN WATER BY ICAP	SS10	V	MDZW11X4	DV4W*456 ZFBG	14-FEB-96	11 UGL	.0
METALS IN WATER BY ICAP	SS10	V	MDZW11X4	DV4W*274 ZFZP	14-FEB-96	11 UGL	.0
METALS IN WATER BY ICAP	SS10	ZN	MD5701X2	DV4W*168 ZFZP	13-FEB-96	21.1 UGL	.0
METALS IN WATER BY ICAP	SS10	ZN	MD5701X2	DV4W*455 ZFAG	13-FEB-96	21.1 UGL	.0
METALS IN WATER BY ICAP	SS10	ZN	MD5703X2	DV4W*458 ZFBG	14-FEB-96	63.6 UGL	39.1
METALS IN WATER BY ICAP	SS10	ZN	MD5703X2	DV4W*172 ZFAG	14-FEB-96	42.8 UGL	39.1
METALS IN WATER BY ICAP	SS10	ZN	MDAX04X2	DV4W*457 ZFBG	15-FEB-96	21.1 UGL	.0
METALS IN WATER BY ICAP	SS10	ZN	MDAX04X2	DV4W*238 ZFAG	15-FEB-96	21.1 UGL	.0
METALS IN WATER BY ICAP	SS10	ZN	MDZW11X4	DV4W*456 ZFBG	14-FEB-96	21.1 UGL	.0

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

SAMPLE DUPLICATES

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value	Units	RPD
METALS IN WATER BY ICAP	SS10	ZN	MX2W11X4	DV4W*274	2F2P	14-FEB-96	08-MAR-96	21.1	UGL	.0
NO2, NO3 IN WATER	TP22	NIT	MX5701X2	DV4W*168	ZGHD	13-FEB-96	07-MAR-96	1200	UGL	8.7
NO2, NO3 IN WATER	TP22	NIT	MD5701X2	DV4W*455	ZGFD	13-FEB-96	11-MAR-96	1100	UGL	8.7
NO2, NO3 IN WATER	TP22	NIT	MD5703X2	DV4W*458	ZGFD	14-FEB-96	11-MAR-96	270	UGL	3.8
NO2, NO3 IN WATER	TP22	NIT	MD5703X2	DV4W*172	ZGFD	14-FEB-96	11-MAR-96	260	UGL	3.8
NO2, NO3 IN WATER	TP22	NIT	MDAX04X2	DV4W*457	ZGFD	15-FEB-96	11-MAR-96	41.3	UGL	38.7
NO2, NO3 IN WATER	TP22	NIT	MDAX04X2	DV4W*238	ZGFD	15-FEB-96	11-MAR-96	27.9	UGL	38.7
NO2, NO3 IN WATER	TP22	NIT	MD2W11X4	DV4W*456	ZGFD	14-FEB-96	11-MAR-96	2000	UGL	198.0
NO2, NO3 IN WATER	TP22	NIT	MX2W11X4	DV4W*274	ZGFD	14-FEB-96	11-MAR-96	10	UGL	198.0
N2KJEL IN WATER	TP26	N2KJEL	MX5701X2	DV4W*168	SHZA	13-FEB-96	27-FEB-96	248	UGL	21.4
N2KJEL IN WATER	TP26	N2KJEL	MD5701X2	DV4W*455	SHZA	13-FEB-96	27-FEB-96	200	UGL	21.4
N2KJEL IN WATER	TP26	N2KJEL	MX5703X2	DV4W*172	SHZA	14-FEB-96	27-FEB-96	495	UGL	16.6
N2KJEL IN WATER	TP26	N2KJEL	MD5703X2	DV4W*458	SHBB	14-FEB-96	12-MAR-96	419	UGL	16.6
N2KJEL IN WATER	TP26	N2KJEL	MDAX04X2	DV4W*238	SHBB	15-FEB-96	12-MAR-96	183	UGL	.0
N2KJEL IN WATER	TP26	N2KJEL	MDAX04X2	DV4W*457	SHBB	15-FEB-96	12-MAR-96	183	UGL	.0
N2KJEL IN WATER	TP26	N2KJEL	MX2W11X4	DV4W*274	SHBB	14-FEB-96	12-MAR-96	183	UGL	.0
N2KJEL IN WATER	TP26	N2KJEL	MD2W11X4	DV4W*456	SHBB	14-FEB-96	12-MAR-96	183	UGL	.0
TOT. PO4 IN WATER	TP27	PO4	MX5701X2	DV4W*168	WHMB	13-FEB-96	27-FEB-96	13.6	UGL	2.2
TOT. PO4 IN WATER	TP27	PO4	MD5701X2	DV4W*455	WHMB	13-FEB-96	27-FEB-96	13.3	UGL	2.2
TOT. PO4 IN WATER	TP27	PO4	MX5703X2	DV4W*172	WHMB	14-FEB-96	27-FEB-96	21.9	UGL	48.9
TOT. PO4 IN WATER	TP27	PO4	MD5703X2	DV4W*458	WHMB	14-FEB-96	27-FEB-96	13.3	UGL	48.9
TOT. PO4 IN WATER	TP27	PO4	MDAX04X2	DV4W*238	WHMB	15-FEB-96	27-FEB-96	13.3	UGL	.0
TOT. PO4 IN WATER	TP27	PO4	MDAX04X2	DV4W*457	WHMB	15-FEB-96	27-FEB-96	13.3	UGL	.0
TOT. PO4 IN WATER	TP27	PO4	MX2W11X4	DV4W*274	WHMB	14-FEB-96	27-FEB-96	22.7	UGL	52.2
TOT. PO4 IN WATER	TP27	PO4	MD2W11X4	DV4W*456	WHMB	14-FEB-96	27-FEB-96	13.3	UGL	52.2

SAMPLE8 DUPLICATES

[illegible]

SAMPLE DUBLICATES

IRDMIS					
Method Code	Test Name	Field Number	Lab Number	Sample Date	Analysis Date
Method Description					
IRDMIS Field	Test Name	Field Number	Lab Number	Sample Date	Analysis Date
UM18	12DC1B	MXX04X2	DV4W*238 WDEJ	15-FEB-96	04-MAR-96
UM18	12DC1B	MXZM11X4	DV4W*274 WDDJ	14-FEB-96	26-FEB-96
UM18	12DC1B	MDZM11X4	DV4W*456 WDDJ	14-FEB-96	26-FEB-96
UM18	12DWB	MD5703X2	DV4W*458 WDEJ	14-FEB-96	04-MAR-96
UM18	12DWB	MX5703X2	DV4W*172 WDEJ	14-FEB-96	04-MAR-96
UM18	12DPH	MX5701X2	DV4W*168 WDDJ	13-FEB-96	26-FEB-96
UM18	12DPH	MD5701X2	DV4W*455 WDDJ	13-FEB-96	26-FEB-96
UM18	12DPH	MX5703X2	DV4W*172 WDEJ	14-FEB-96	04-MAR-96
UM18	12DPH	MD5703X2	DV4W*458 WDEJ	14-FEB-96	04-MAR-96
UM18	12DPH	MDAX04X2	DV4W*457 WDEJ	15-FEB-96	04-MAR-96
UM18	12DPH	MXAX04X2	DV4W*238 WDEJ	15-FEB-96	04-MAR-96
UM18	12DPH	MDZM11X4	DV4W*456 WDDJ	14-FEB-96	26-FEB-96
UM18	12DPH	MXZM11X4	DV4W*274 WDDJ	14-FEB-96	26-FEB-96
UM18	13STMB	MX5703X2	DV4W*172 WDEJ	14-FEB-96	04-MAR-96
UM18	13STMB	MD5703X2	DV4W*458 WDEJ	14-FEB-96	04-MAR-96
UM18	13DC1B	MD5701X2	DV4W*455 WDDJ	13-FEB-96	26-FEB-96
UM18	13DC1B	MX5701X2	DV4W*168 WDDJ	13-FEB-96	26-FEB-96
UM18	13DC1B	MD5703X2	DV4W*458 WDEJ	14-FEB-96	04-MAR-96
UM18	13DC1B	MX5703X2	DV4W*172 WDEJ	14-FEB-96	04-MAR-96
UM18	13DC1B	MXAX04X2	DV4W*238 WDEJ	15-FEB-96	04-MAR-96
UM18	13DC1B	MDAX04X2	DV4W*457 WDEJ	15-FEB-96	04-MAR-96
UM18	13DC1B	MDZM11X4	DV4W*456 WDDJ	14-FEB-96	26-FEB-96
UM18	13DC1B	MXZM11X4	DV4W*274 WDDJ	14-FEB-96	26-FEB-96
UM18	13DWB	MX5703X2	DV4W*172 WDEJ	14-FEB-96	04-MAR-96
UM18	13DWB	MD5703X2	DV4W*458 WDEJ	14-FEB-96	04-MAR-96
UM18	14DC1B	MD5701X2	DV4W*455 WDDJ	13-FEB-96	26-FEB-96
UM18	14DC1B	MX5701X2	DV4W*168 WDDJ	13-FEB-96	26-FEB-96
UM18	14DC1B	MD5703X2	DV4W*458 WDEJ	13-FEB-96	26-FEB-96
UM18	14DC1B	MX5703X2	DV4W*172 WDEJ	13-FEB-96	26-FEB-96
UM18	14DC1B	MDAX04X2	DV4W*457 WDEJ	15-FEB-96	04-MAR-96
UM18	14DC1B	MXAX04X2	DV4W*238 WDEJ	15-FEB-96	04-MAR-96
UM18	14DC1B	MDZM11X4	DV4W*456 WDDJ	14-FEB-96	26-FEB-96
UM18	14DC1B	MXZM11X4	DV4W*274 WDDJ	14-FEB-96	26-FEB-96
UM18	14DWB	MX5703X2	DV4W*172 WDEJ	14-FEB-96	04-MAR-96
UM18	14DWB	MD5703X2	DV4W*458 WDEJ	14-FEB-96	04-MAR-96
UM18	14DPH	MD5701X2	DV4W*455 WDDJ	13-FEB-96	26-FEB-96
UM18	14DPH	MX5701X2	DV4W*168 WDDJ	13-FEB-96	26-FEB-96
UM18	14DPH	MD5703X2	DV4W*458 WDEJ	13-FEB-96	26-FEB-96
UM18	14DPH	MX5703X2	DV4W*172 WDEJ	13-FEB-96	26-FEB-96
UM18	14DPH	MDAX04X2	DV4W*457 WDEJ	15-FEB-96	04-MAR-96
UM18	14DPH	MXAX04X2	DV4W*238 WDEJ	15-FEB-96	04-MAR-96
UM18	14DPH	MDZM11X4	DV4W*456 WDDJ	14-FEB-96	26-FEB-96
UM18	14DPH	MXZM11X4	DV4W*274 WDDJ	14-FEB-96	26-FEB-96
UM18	14STMB	MX5703X2	DV4W*172 WDEJ	14-FEB-96	04-MAR-96
UM18	14STMB	MD5703X2	DV4W*458 WDEJ	14-FEB-96	04-MAR-96
UM18	14DC1B	MD5701X2	DV4W*455 WDDJ	13-FEB-96	26-FEB-96
UM18	14DC1B	MX5701X2	DV4W*168 WDDJ	13-FEB-96	26-FEB-96
UM18	14DC1B	MD5703X2	DV4W*458 WDEJ	14-FEB-96	04-MAR-96
UM18	14DC1B	MX5703X2	DV4W*172 WDEJ	14-FEB-96	04-MAR-96
UM18	14DC1B	MXAX04X2	DV4W*238 WDEJ	15-FEB-96	04-MAR-96
UM18	14DC1B	MDAX04X2	DV4W*457 WDEJ	15-FEB-96	04-MAR-96
UM18	14DC1B	MDZM11X4	DV4W*456 WDDJ	14-FEB-96	26-FEB-96
UM18	14DC1B	MXZM11X4	DV4W*274 WDDJ	14-FEB-96	26-FEB-96
UM18	14DWB	MX5703X2	DV4W*172 WDEJ	14-FEB-96	04-MAR-96
UM18	14DWB	MD5703X2	DV4W*458 WDEJ	14-FEB-96	04-MAR-96</

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

SAMPLE DUPLICATES

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Number	Lab Number	Lot	Sample Date	Analysis Date	<	Value	Units	RPD
BNA'S IN WATER BY GC/MS	UM18	14DCLB	MD5703X2	DV4W*458	WDEJ	14-FEB-96	04-MAR-96	<	1.7	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	14DCLB	MX5703X2	DV4W*172	WDEJ	14-FEB-96	04-MAR-96	<	1.7	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	14DCLB	MDX04X2	DV4W*238	WDEJ	15-FEB-96	04-MAR-96	<	1.7	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	14DCLB	MDX04X2	DV4W*457	WDEJ	15-FEB-96	04-MAR-96	<	1.7	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	14DCLB	MDZM11X4	DV4W*274	WDDJ	14-FEB-96	26-FEB-96	<	1.7	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	14DCLB	MDZM11X4	DV4W*456	WDDJ	14-FEB-96	26-FEB-96	<	1.7	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	245TCP	MD5701X2	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	<	5.2	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	245TCP	MX5701X2	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	<	5.2	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	245TCP	MX5703X2	DV4W*172	WDEJ	14-FEB-96	04-MAR-96	<	5.2	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	245TCP	MD5703X2	DV4W*458	WDEJ	14-FEB-96	04-MAR-96	<	5.2	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	245TCP	MDX04X2	DV4W*457	WDEJ	15-FEB-96	04-MAR-96	<	5.2	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	245TCP	MDX04X2	DV4W*238	WDEJ	15-FEB-96	04-MAR-96	<	5.2	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	245TCP	MDZM11X4	DV4W*456	WDDJ	14-FEB-96	26-FEB-96	<	5.2	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	245TCP	MDZM11X4	DV4W*274	WDDJ	14-FEB-96	26-FEB-96	<	5.2	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	246TCP	MX5701X2	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	<	4.2	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	246TCP	MD5701X2	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	<	4.2	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	246TCP	MD5703X2	DV4W*458	WDEJ	14-FEB-96	04-MAR-96	<	4.2	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	246TCP	MX5703X2	DV4W*172	WDEJ	14-FEB-96	04-MAR-96	<	4.2	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	246TCP	MDX04X2	DV4W*238	WDEJ	15-FEB-96	04-MAR-96	<	4.2	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	246TCP	MDX04X2	DV4W*457	WDEJ	15-FEB-96	04-MAR-96	<	4.2	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	246TCP	MDZM11X4	DV4W*456	WDDJ	14-FEB-96	26-FEB-96	<	4.2	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	246TCP	MDZM11X4	DV4W*274	WDDJ	14-FEB-96	26-FEB-96	<	4.2	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	24DCLP	MD5701X2	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	<	2.9	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	24DCLP	MX5701X2	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	<	2.9	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	24DCLP	MX5703X2	DV4W*172	WDEJ	14-FEB-96	04-MAR-96	<	2.9	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	24DCLP	MD5703X2	DV4W*458	WDEJ	14-FEB-96	04-MAR-96	<	2.9	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	24DCLP	MDX04X2	DV4W*457	WDEJ	15-FEB-96	04-MAR-96	<	2.9	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	24DCLP	MDX04X2	DV4W*238	WDEJ	15-FEB-96	04-MAR-96	<	2.9	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	24DCLP	MDZM11X4	DV4W*456	WDDJ	14-FEB-96	26-FEB-96	<	2.9	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	24DCLP	MDZM11X4	DV4W*274	WDDJ	14-FEB-96	26-FEB-96	<	2.9	UGL	.0

Chemical Quality Control Report
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Group 4 Sites

SAMPLE DUPLICATES

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value	Units	RPD
BNA'S IN WATER BY GC/MS	UM18	24DMEN	MX5701X2	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	5.8	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	24DMEN	MD5701X2	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	5.8	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	24DMEN	MD5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	5.8	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	24DMEN	MX5703X2	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	5.8	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	24DMEN	MDX04X2	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	5.8	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	24DMEN	MDX04X2	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	5.8	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	24DMEN	MDZM11X4	DV4W*456	WDDJ	14-FEB-96	26-FEB-96	5.8	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	24DMEN	MXZM11X4	DV4W*274	WDDJ	14-FEB-96	26-FEB-96	5.8	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	24DNP	MD5701X2	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	21	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	24DNP	MX5701X2	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	21	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	24DNP	MX5703X2	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	21	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	24DNP	MD5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	21	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	24DNP	MDX04X2	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	21	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	24DNP	MDX04X2	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	21	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	24DNP	MDZM11X4	DV4W*456	WDDJ	14-FEB-96	26-FEB-96	21	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	24DNP	MXZM11X4	DV4W*274	WDDJ	14-FEB-96	26-FEB-96	21	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	24DNT	MX5701X2	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	4.5	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	24DNT	MD5701X2	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	4.5	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	24DNT	MD5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	4.5	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	24DNT	MX5703X2	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	4.5	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	24DNT	MDX04X2	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	4.5	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	24DNT	MDX04X2	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	4.5	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	24DNT	MDZM11X4	DV4W*456	WDDJ	14-FEB-96	26-FEB-96	4.5	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	24DNT	MXZM11X4	DV4W*274	WDDJ	14-FEB-96	26-FEB-96	4.5	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	26DNT	MD5701X2	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	.79	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	26DNT	MX5701X2	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	.79	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	26DNT	MD5703X2	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	.79	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	26DNT	MX5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	.79	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	26DNT	MDX04X2	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	.79	UGL	.0

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

SAMPLE DUPLICATES

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value	Units	RPD
ENA'S IN WATER BY GC/MS	UM18	26DNT	KXAX04X2	DVAW*238	WDEJ	15-FEB-96	04-MAR-96	.79	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	26DNT	MDZW11X4	DVAW*456	WDDJ	14-FEB-96	26-FEB-96	.79	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	26DNT	KXZW11X4	DVAW*274	WDDJ	14-FEB-96	26-FEB-96	.79	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	2CLP	KX5701X2	DVAW*168	WDDJ	13-FEB-96	26-FEB-96	.99	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	2CLP	MD5701X2	DVAW*455	WDDJ	13-FEB-96	26-FEB-96	.99	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	2CLP	KX5703X2	DVAW*172	WDEJ	14-FEB-96	04-MAR-96	.99	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	2CLP	MD5703X2	DVAW*458	WDEJ	14-FEB-96	04-MAR-96	.99	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	2CLP	KXAX04X2	DVAW*238	WDEJ	15-FEB-96	04-MAR-96	.99	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	2CLP	MDAX04X2	DVAW*457	WDEJ	15-FEB-96	04-MAR-96	.99	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	2CLP	MDZW11X4	DVAW*456	WDDJ	14-FEB-96	26-FEB-96	.99	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	2CLP	KXZW11X4	DVAW*274	WDDJ	14-FEB-96	26-FEB-96	.99	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	2CNAP	MD5701X2	DVAW*455	WDDJ	13-FEB-96	26-FEB-96	.5	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	2CNAP	KX5701X2	DVAW*168	WDDJ	13-FEB-96	26-FEB-96	.5	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	2CNAP	MD5703X2	DVAW*458	WDEJ	14-FEB-96	04-MAR-96	.5	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	2CNAP	KX5703X2	DVAW*172	WDEJ	14-FEB-96	04-MAR-96	.5	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	2CNAP	MDAX04X2	DVAW*457	WDEJ	15-FEB-96	04-MAR-96	.5	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	2CNAP	KXAX04X2	DVAW*238	WDEJ	15-FEB-96	04-MAR-96	.5	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	2CNAP	MDZW11X4	DVAW*456	WDDJ	14-FEB-96	26-FEB-96	.5	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	2CNAP	KXZW11X4	DVAW*274	WDDJ	14-FEB-96	26-FEB-96	.5	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	2MNAP	KX5701X2	DVAW*168	WDDJ	13-FEB-96	26-FEB-96	1.7	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	2MNAP	MD5701X2	DVAW*455	WDDJ	13-FEB-96	26-FEB-96	1.7	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	2MNAP	KX5703X2	DVAW*172	WDEJ	14-FEB-96	04-MAR-96	1.7	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	2MNAP	MD5703X2	DVAW*458	WDEJ	14-FEB-96	04-MAR-96	1.7	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	2MNAP	KXAX04X2	DVAW*238	WDEJ	15-FEB-96	04-MAR-96	1.7	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	2MNAP	MDAX04X2	DVAW*457	WDEJ	15-FEB-96	04-MAR-96	1.7	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	2MNAP	MDZW11X4	DVAW*456	WDDJ	14-FEB-96	26-FEB-96	1.7	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	2MNAP	KXZW11X4	DVAW*274	WDDJ	14-FEB-96	26-FEB-96	1.7	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	2MP	MD5701X2	DVAW*455	WDDJ	13-FEB-96	26-FEB-96	3.9	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	2MP	KX5701X2	DVAW*168	WDDJ	13-FEB-96	26-FEB-96	3.9	UGL	.0

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

SAMPLE DUPLICATES

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	<	Value Units	RPD
BNA'S IN WATER BY GC/MS	UM18	2NP	MD5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	<	3.9 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	2NP	MD5703X2	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	<	3.9 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	2NP	MDX04X2	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	<	3.9 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	2NP	MDX04X2	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	<	3.9 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	2NP	MDZM11X4	DV4W*456	WDBJ	14-FEB-96	26-FEB-96	<	3.9 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	2NP	MDZM11X4	DV4W*274	WDBJ	14-FEB-96	26-FEB-96	<	3.9 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	2NP	MD5701X2	DV4W*168	WDBJ	13-FEB-96	26-FEB-96	<	4.3 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	2NP	MD5701X2	DV4W*455	WDBJ	13-FEB-96	26-FEB-96	<	4.3 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	2NP	MD5703X2	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	<	4.3 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	2NP	MD5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	<	4.3 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	2NP	MDX04X2	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	<	4.3 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	2NP	MDX04X2	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	<	4.3 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	2NP	MDZM11X4	DV4W*456	WDBJ	14-FEB-96	26-FEB-96	<	4.3 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	2NP	MDZM11X4	DV4W*274	WDBJ	14-FEB-96	26-FEB-96	<	4.3 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	2NP	MD5701X2	DV4W*455	WDBJ	13-FEB-96	26-FEB-96	<	3.7 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	2NP	MD5701X2	DV4W*168	WDBJ	13-FEB-96	26-FEB-96	<	3.7 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	2NP	MD5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	<	3.7 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	2NP	MD5703X2	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	<	3.7 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	2NP	MDX04X2	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	<	3.7 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	2NP	MDX04X2	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	<	3.7 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	2NP	MDZM11X4	DV4W*456	WDBJ	14-FEB-96	26-FEB-96	<	3.7 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	2NP	MDZM11X4	DV4W*274	WDBJ	14-FEB-96	26-FEB-96	<	3.7 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	33DCSD	MD5701X2	DV4W*168	WDBJ	13-FEB-96	26-FEB-96	<	12 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	33DCSD	MD5701X2	DV4W*455	WDBJ	13-FEB-96	26-FEB-96	<	12 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	33DCSD	MD5703X2	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	<	12 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	33DCSD	MD5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	<	12 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	33DCSD	MDX04X2	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	<	12 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	33DCSD	MDX04X2	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	<	12 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	33DCSD	MDZM11X4	DV4W*456	WDBJ	14-FEB-96	26-FEB-96	<	12 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	33DCSD	MDZM11X4	DV4W*274	WDBJ	14-FEB-96	26-FEB-96	<	12 UGL	.0

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

SAMPLE DUPLICATES

Method Description	IRDMIS Code	Test Name	Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	<	Value Units	RPD
ENA'S IN WATER BY GC/MS	UM18	3NANIL	MD5701X2	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	<	4.9 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	3NANIL	MD5701X2	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	<	4.9 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	3NANIL	MD5703X2	DV4W*458	WDEJ	14-FEB-96	04-MAR-96	<	4.9 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	3NANIL	MD5703X2	DV4W*172	WDEJ	14-FEB-96	04-MAR-96	<	4.9 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	3NANIL	MDAX04X2	DV4W*457	WDEJ	15-FEB-96	04-MAR-96	<	4.9 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	3NANIL	MDAX04X2	DV4W*238	WDEJ	15-FEB-96	04-MAR-96	<	4.9 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	3NANIL	MDZM11X4	DV4W*456	WDDJ	14-FEB-96	26-FEB-96	<	4.9 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	3NANIL	MDZM11X4	DV4W*274	WDDJ	14-FEB-96	26-FEB-96	<	4.9 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	46DN2C	MD5701X2	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	<	17 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	46DN2C	MD5701X2	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	<	17 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	46DN2C	MD5703X2	DV4W*458	WDEJ	14-FEB-96	04-MAR-96	<	17 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	46DN2C	MD5703X2	DV4W*172	WDEJ	14-FEB-96	04-MAR-96	<	17 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	46DN2C	MDAX04X2	DV4W*238	WDEJ	15-FEB-96	04-MAR-96	<	17 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	46DN2C	MDAX04X2	DV4W*457	WDEJ	15-FEB-96	04-MAR-96	<	17 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	46DN2C	MDZM11X4	DV4W*456	WDDJ	14-FEB-96	26-FEB-96	<	17 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	46DN2C	MDZM11X4	DV4W*274	WDDJ	14-FEB-96	26-FEB-96	<	17 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	4BRPPE	MD5701X2	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	<	4.2 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	4BRPPE	MD5701X2	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	<	4.2 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	4BRPPE	MD5703X2	DV4W*172	WDEJ	14-FEB-96	04-MAR-96	<	4.2 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	4BRPPE	MD5703X2	DV4W*458	WDEJ	14-FEB-96	04-MAR-96	<	4.2 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	4BRPPE	MDAX04X2	DV4W*457	WDEJ	15-FEB-96	04-MAR-96	<	4.2 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	4BRPPE	MDAX04X2	DV4W*238	WDEJ	15-FEB-96	04-MAR-96	<	4.2 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	4BRPPE	MDZM11X4	DV4W*456	WDDJ	14-FEB-96	26-FEB-96	<	4.2 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	4BRPPE	MDZM11X4	DV4W*274	WDDJ	14-FEB-96	26-FEB-96	<	4.2 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	4CANIL	MD5701X2	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	<	7.3 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	4CANIL	MD5701X2	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	<	7.3 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	4CANIL	MD5703X2	DV4W*458	WDEJ	14-FEB-96	04-MAR-96	<	7.3 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	4CANIL	MD5703X2	DV4W*172	WDEJ	14-FEB-96	04-MAR-96	<	7.3 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	4CANIL	MDAX04X2	DV4W*238	WDEJ	15-FEB-96	04-MAR-96	<	7.3 UGL	.0

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

SAMPLE DUPLICATES

Method Description	IRDMIS Method Code	Test Name	IRDMIS Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value	Units	RPD
BNA'S IN WATER BY GC/MS	UM18	4CANIL	MDAX04X2	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	<	7.3 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	4CANIL	MDZW11X4	DV4W*456	WDDJ	14-FEB-96	26-FEB-96	<	7.3 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	4CANIL	MDZW11X4	DV4W*274	WDDJ	14-FEB-96	26-FEB-96	<	7.3 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	4CL3C	MD5701X2	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	<	4 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	4CL3C	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	26-FEB-96	<	4 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	4CL3C	MX5703X2	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	<	4 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	4CL3C	MD5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	<	4 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	4CL3C	MDAX04X2	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	<	4 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	4CL3C	MXAX04X2	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	<	4 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	4CL3C	MDZW11X4	DV4W*274	WDDJ	14-FEB-96	26-FEB-96	<	4 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	4CL3C	MDZW11X4	DV4W*456	WDDJ	14-FEB-96	26-FEB-96	<	4 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	4CLPPE	MX5701X2	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	<	5.1 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	4CLPPE	MD5701X2	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	<	5.1 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	4CLPPE	MD5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	<	5.1 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	4CLPPE	MX5703X2	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	<	5.1 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	4CLPPE	MXAX04X2	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	<	5.1 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	4CLPPE	MDAX04X2	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	<	5.1 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	4CLPPE	MDZW11X4	DV4W*456	WDDJ	14-FEB-96	26-FEB-96	<	5.1 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	4CLPPE	MXZW11X4	DV4W*274	WDDJ	14-FEB-96	26-FEB-96	<	5.1 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	4NP	MD5701X2	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	<	.52 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	4NP	MX5701X2	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	<	.52 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	4NP	MX5703X2	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	<	.52 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	4NP	MD5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	<	.52 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	4NP	MDAX04X2	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	<	.52 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	4NP	MXAX04X2	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	<	.52 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	4NP	MDZW11X4	DV4W*456	WDDJ	14-FEB-96	26-FEB-96	<	.52 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	4NP	MXZW11X4	DV4W*274	WDDJ	14-FEB-96	26-FEB-96	<	.52 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	4NANIL	MX5701X2	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	<	5.2 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	4NANIL	MD5701X2	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	<	5.2 UGL	.0

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

SAMPLE DUPLICATES

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Number	Lab Number	Lot	Sample Date	Analysis Date	<	Value	Units	RPD
ENA'S IN WATER BY GC/MS	UM18	4NANIL	MD5703X2	DVAW*458	WDBJ	14-FEB-96	04-MAR-96	<	5.2	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	4NANIL	MX5703X2	DVAW*172	WDBJ	14-FEB-96	04-MAR-96	<	5.2	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	4NANIL	MXAX04X2	DVAW*238	WDBJ	15-FEB-96	04-MAR-96	<	5.2	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	4NANIL	MDAX04X2	DVAW*457	WDBJ	15-FEB-96	04-MAR-96	<	5.2	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	4NANIL	MDZM11X4	DVAW*456	WDDJ	14-FEB-96	26-FEB-96	<	5.2	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	4NANIL	MXZM11X4	DVAW*274	WDDJ	14-FEB-96	26-FEB-96	<	5.2	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	4NP	MD5701X2	DVAW*455	WDDJ	13-FEB-96	26-FEB-96	<	12	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	4NP	MX5701X2	DVAW*168	WDDJ	13-FEB-96	26-FEB-96	<	12	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	4NP	MX5703X2	DVAW*172	WDBJ	14-FEB-96	04-MAR-96	<	12	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	4NP	MD5703X2	DVAW*458	WDBJ	14-FEB-96	04-MAR-96	<	12	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	4NP	MDAX04X2	DVAW*457	WDBJ	15-FEB-96	04-MAR-96	<	12	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	4NP	MXAX04X2	DVAW*238	WDBJ	15-FEB-96	04-MAR-96	<	12	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	4NP	MDZM11X4	DVAW*456	WDDJ	14-FEB-96	26-FEB-96	<	12	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	4NP	MXZM11X4	DVAW*274	WDDJ	14-FEB-96	26-FEB-96	<	12	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	ABHC	MX5701X2	DVAW*168	WDDJ	13-FEB-96	26-FEB-96	<	4	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	ABHC	MD5701X2	DVAW*455	WDDJ	13-FEB-96	26-FEB-96	<	4	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	ABHC	MX5703X2	DVAW*172	WDBJ	14-FEB-96	04-MAR-96	<	4	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	ABHC	MD5703X2	DVAW*458	WDBJ	14-FEB-96	04-MAR-96	<	4	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	ABHC	MDAX04X2	DVAW*457	WDBJ	15-FEB-96	04-MAR-96	<	4	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	ABHC	MXAX04X2	DVAW*238	WDBJ	15-FEB-96	04-MAR-96	<	4	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	ABHC	MDZM11X4	DVAW*456	WDDJ	14-FEB-96	26-FEB-96	<	4	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	ABHC	MXZM11X4	DVAW*274	WDDJ	14-FEB-96	26-FEB-96	<	4	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	ACLDAN	MD5701X2	DVAW*455	WDDJ	13-FEB-96	26-FEB-96	<	5.1	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	ACLDAN	MX5701X2	DVAW*168	WDDJ	13-FEB-96	26-FEB-96	<	5.1	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	ACLDAN	MX5703X2	DVAW*172	WDBJ	14-FEB-96	04-MAR-96	<	5.1	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	ACLDAN	MD5703X2	DVAW*458	WDBJ	14-FEB-96	04-MAR-96	<	5.1	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	ACLDAN	MDAX04X2	DVAW*457	WDBJ	15-FEB-96	04-MAR-96	<	5.1	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	ACLDAN	MXAX04X2	DVAW*238	WDBJ	15-FEB-96	04-MAR-96	<	5.1	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	ACLDAN	MDZM11X4	DVAW*456	WDDJ	14-FEB-96	26-FEB-96	<	5.1	UGL	.0
ENA'S IN WATER BY GC/MS	UM18	ACLDAN	MXZM11X4	DVAW*274	WDDJ	14-FEB-96	26-FEB-96	<	5.1	UGL	.0

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

SAMPLE DUPLICATES

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value Units		RPD
								<	>	
BNA'S IN WATER BY GC/MS	UM18	ARNSLF	MD5701X2	DV4N*455	WDDJ	13-FEB-96	26-FEB-96	<	9.2 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ARNSLF	MX5701X2	DV4N*168	WDDJ	13-FEB-96	26-FEB-96	<	9.2 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ARNSLF	MX5703X2	DV4N*172	WDEJ	14-FEB-96	04-MAR-96	<	9.2 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ARNSLF	MD5703X2	DV4N*458	WDEJ	14-FEB-96	04-MAR-96	<	9.2 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ARNSLF	MDAX04X2	DV4N*457	WDEJ	15-FEB-96	04-MAR-96	<	9.2 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ARNSLF	MXAX04X2	DV4N*238	WDEJ	15-FEB-96	04-MAR-96	<	9.2 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ARNSLF	MD2W11X4	DV4N*456	WDDJ	14-FEB-96	26-FEB-96	<	9.2 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ARNSLF	MX2W11X4	DV4N*274	WDDJ	14-FEB-96	26-FEB-96	<	9.2 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ALDRN	MD5701X2	DV4N*455	WDDJ	13-FEB-96	26-FEB-96	<	4.7 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ALDRN	MX5701X2	DV4N*168	WDDJ	13-FEB-96	26-FEB-96	<	4.7 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ALDRN	MX5703X2	DV4N*172	WDEJ	14-FEB-96	04-MAR-96	<	4.7 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ALDRN	MD5703X2	DV4N*458	WDEJ	14-FEB-96	04-MAR-96	<	4.7 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ALDRN	MDAX04X2	DV4N*457	WDEJ	15-FEB-96	04-MAR-96	<	4.7 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ALDRN	MXAX04X2	DV4N*238	WDEJ	15-FEB-96	04-MAR-96	<	4.7 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ALDRN	MD2W11X4	DV4N*456	WDDJ	14-FEB-96	26-FEB-96	<	4.7 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ALDRN	MX2W11X4	DV4N*274	WDDJ	14-FEB-96	26-FEB-96	<	4.7 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ANAPNE	MD5701X2	DV4N*455	WDDJ	13-FEB-96	26-FEB-96	<	1.7 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ANAPNE	MX5701X2	DV4N*168	WDDJ	13-FEB-96	26-FEB-96	<	1.7 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ANAPNE	MX5703X2	DV4N*172	WDEJ	14-FEB-96	04-MAR-96	<	1.7 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ANAPNE	MD5703X2	DV4N*458	WDEJ	14-FEB-96	04-MAR-96	<	1.7 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ANAPNE	MDAX04X2	DV4N*457	WDEJ	15-FEB-96	04-MAR-96	<	1.7 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ANAPNE	MXAX04X2	DV4N*238	WDEJ	15-FEB-96	04-MAR-96	<	1.7 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ANAPNE	MD2W11X4	DV4N*456	WDDJ	14-FEB-96	26-FEB-96	<	1.7 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ANAPNE	MX2W11X4	DV4N*274	WDDJ	14-FEB-96	26-FEB-96	<	1.7 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ANAPYL	MX5701X2	DV4N*168	WDDJ	13-FEB-96	26-FEB-96	<	.5 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ANAPYL	MD5701X2	DV4N*455	WDDJ	13-FEB-96	26-FEB-96	<	.5 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ANAPYL	MD5703X2	DV4N*458	WDEJ	14-FEB-96	04-MAR-96	<	.5 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ANAPYL	MD5703X2	DV4N*172	WDEJ	14-FEB-96	04-MAR-96	<	.5 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ANAPYL	MXAX04X2	DV4N*238	WDEJ	15-FEB-96	04-MAR-96	<	.5 UGL	.0

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

SAMPLE DUPLICATES

IRDMIS Method Code	IRDMIS Field Sample Number	Test Name	Lab Number	Lot	Sample Date	Analysis Date	Value	Units	RPD
Method Description									
BNA'S IN WATER BY GC/MS	UM18	ANAPYL	DV4W*457 WDEJ		15-FEB-96	04-MAR-96	<	.5 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ANAPYL	DV4W*274 WDDJ		14-FEB-96	26-FEB-96	<	.5 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ANAPYL	DV4W*456 WDDJ		14-FEB-96	26-FEB-96	<	.5 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ANTRC	DV4W*455 WDDJ		13-FEB-96	26-FEB-96	<	.5 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ANTRC	DV4W*168 WDDJ		13-FEB-96	26-FEB-96	<	.5 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ANTRC	DV4W*172 WDEJ		14-FEB-96	04-MAR-96	<	.5 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ANTRC	DV4W*458 WDEJ		14-FEB-96	04-MAR-96	<	.5 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ANTRC	DV4W*457 WDEJ		15-FEB-96	04-MAR-96	<	.5 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ANTRC	DV4W*238 WDEJ		15-FEB-96	04-MAR-96	<	.5 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ANTRC	DV4W*456 WDDJ		14-FEB-96	26-FEB-96	<	.5 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ANTRC	DV4W*274 WDDJ		14-FEB-96	26-FEB-96	<	.5 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	B2CEXM	DV4W*168 WDDJ		13-FEB-96	26-FEB-96	<	1.5 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	B2CEXM	DV4W*455 WDDJ		13-FEB-96	26-FEB-96	<	1.5 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	B2CEXM	DV4W*458 WDEJ		14-FEB-96	04-MAR-96	<	1.5 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	B2CEXM	DV4W*172 WDEJ		14-FEB-96	04-MAR-96	<	1.5 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	B2CEXM	DV4W*238 WDEJ		15-FEB-96	04-MAR-96	<	1.5 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	B2CEXM	DV4W*457 WDEJ		15-FEB-96	04-MAR-96	<	1.5 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	B2CEXM	DV4W*456 WDDJ		14-FEB-96	26-FEB-96	<	1.5 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	B2CEXM	DV4W*274 WDDJ		14-FEB-96	26-FEB-96	<	1.5 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	B2CIPE	DV4W*455 WDDJ		13-FEB-96	26-FEB-96	<	5.3 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	B2CIPE	DV4W*168 WDDJ		13-FEB-96	26-FEB-96	<	5.3 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	B2CIPE	DV4W*172 WDEJ		14-FEB-96	04-MAR-96	<	5.3 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	B2CIPE	DV4W*458 WDEJ		14-FEB-96	04-MAR-96	<	5.3 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	B2CIPE	DV4W*457 WDEJ		15-FEB-96	04-MAR-96	<	5.3 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	B2CIPE	DV4W*238 WDEJ		15-FEB-96	04-MAR-96	<	5.3 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	B2CIPE	DV4W*456 WDDJ		14-FEB-96	26-FEB-96	<	5.3 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	B2CIPE	DV4W*274 WDDJ		14-FEB-96	26-FEB-96	<	5.3 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	B2CLBE	DV4W*168 WDDJ		13-FEB-96	26-FEB-96	<	1.9 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	B2CLBE	DV4W*455 WDDJ		13-FEB-96	26-FEB-96	<	1.9 UGL	.0

SAMPLE DUPLICATES

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Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

SAMPLE DUPLICATES

IRDMIS														IRDMIS													
Field				Test				Sample		Lab		Sample		Analysis		Value		Units		RPD							
Method Description				Name				Number		Lot		Date		Date													
BNA'S IN WATER BY GC/MS	UM18	BBPANT	MD5701X2	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	<	5.4	UGL	.0	BNA'S IN WATER BY GC/MS	UM18	BBPANT	MD5701X2	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	<	5.4	UGL	.0				
	UM18	BBPANT	MD5701X2	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	<	5.4	UGL	.0		UM18	BBPANT	MD5701X2	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	<	5.4	UGL	.0				
	UM18	BBPANT	MD5703X2	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	<	5.4	UGL	.0		UM18	BBPANT	MD5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	<	5.4	UGL	.0				
	UM18	BBPANT	MD5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	<	5.4	UGL	.0		UM18	BBPANT	MD5703X2	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	<	5.4	UGL	.0				
	UM18	BBPANT	MD5703X2	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	<	5.4	UGL	.0		UM18	BBPANT	MD5703X2	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	<	5.4	UGL	.0				
	UM18	BBPANT	MD5703X2	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	<	5.4	UGL	.0		UM18	BBPANT	MD5703X2	DV4W*456	WDDJ	14-FEB-96	26-FEB-96	<	5.4	UGL	.0				
	UM18	BBPANT	MD5703X2	DV4W*456	WDDJ	14-FEB-96	26-FEB-96	<	5.4	UGL	.0		UM18	BBPANT	MD5703X2	DV4W*274	WDDJ	14-FEB-96	26-FEB-96	<	5.4	UGL	.0				
	UM18	BBPANT	MD5701X2	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	<	4	UGL	.0		UM18	BBHC	MD5701X2	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	<	4	UGL	.0				
	UM18	BBHC	MD5701X2	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	<	4	UGL	.0		UM18	BBHC	MD5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	<	4	UGL	.0				
	UM18	BBHC	MD5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	<	4	UGL	.0		UM18	BBHC	MD5703X2	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	<	4	UGL	.0				
	UM18	BBHC	MD5703X2	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	<	4	UGL	.0		UM18	BBHC	MD5703X2	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	<	4	UGL	.0				
	UM18	BBHC	MD5703X2	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	<	4	UGL	.0		UM18	BBHC	MD5703X2	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	<	4	UGL	.0				
	UM18	BBHC	MD5703X2	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	<	4	UGL	.0		UM18	BBHC	MD5703X2	DV4W*456	WDDJ	14-FEB-96	26-FEB-96	<	4	UGL	.0				
	UM18	BBHC	MD5703X2	DV4W*456	WDDJ	14-FEB-96	26-FEB-96	<	4	UGL	.0		UM18	BBHC	MD5703X2	DV4W*274	WDDJ	14-FEB-96	26-FEB-96	<	4	UGL	.0				
	UM18	BBHC	MD5701X2	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	<	3.4	UGL	.0		UM18	BB2P	MD5701X2	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	<	3.4	UGL	.0				
	UM18	BB2P	MD5701X2	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	<	3.4	UGL	.0		UM18	BB2P	MD5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	<	3.4	UGL	.0				
	UM18	BB2P	MD5703X2	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	<	3.4	UGL	.0		UM18	BB2P	MD5703X2	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	<	3.4	UGL	.0				
	UM18	BB2P	MD5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	<	3.4	UGL	.0		UM18	BB2P	MD5703X2	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	<	3.4	UGL	.0				
	UM18	BB2P	MD5703X2	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	<	3.4	UGL	.0		UM18	BB2P	MD5703X2	DV4W*456	WDDJ	14-FEB-96	26-FEB-96	<	3.4	UGL	.0				
	UM18	BB2P	MD5703X2	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	<	3.4	UGL	.0		UM18	BB2P	MD5703X2	DV4W*274	WDDJ	14-FEB-96	26-FEB-96	<	3.4	UGL	.0				
	BNA'S IN WATER BY GC/MS	UM18	BENSIF	MD5701X2	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	<	9.2	UGL		.0	BNA'S IN WATER BY GC/MS	UM18	BENSIF	MD5701X2	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	<	9.2	UGL	.0		
		UM18	BENSIF	MD5701X2	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	<	9.2	UGL		.0		UM18	BENSIF	MD5703X2	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	<	9.2	UGL	.0		
		UM18	BENSIF	MD5703X2	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	<	9.2	UGL		.0		UM18	BENSIF	MD5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	<	9.2	UGL	.0		
		UM18	BENSIF	MD5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	<	9.2	UGL		.0		UM18	BENSIF	MD5703X2	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	<	9.2	UGL	.0		
UM18		BENSIF	MD5703X2	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	<	9.2	UGL	.0	UM18	BENSIF		MD5703X2	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	<	9.2	UGL	.0				
UM18		BENSIF	MD5703X2	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	<	9.2	UGL	.0																

SAMPLE DUPLICATES

IRDMIS		IRDMIS											
Method	Field	Test	Sample	Lab	Lot	Sample	Analysis		Value	Units	RPD		
Code		Name	Number	Number		Date	Date	<					
UM18	BENSLP	BENSLP	MXAX04X2	DV4N*238	WDBJ	15-FEB-96	04-MAR-96	<	9.2	UGL	.0		
UM18	BENSLP	BENSLP	MDZW11X4	DV4N*456	WDDJ	14-FEB-96	26-FEB-96	<	9.2	UGL	.0		
UM18	BENSLP	BENSLP	MXZW11X4	DV4N*274	WDDJ	14-FEB-96	26-FEB-96	<	9.2	UGL	.0		
UM18	BENZID	BENZID	MX5701X2	DV4N*168	WDDJ	13-FEB-96	26-FEB-96	<	10	UGL	.0		
UM18	BENZID	BENZID	MD5701X2	DV4N*455	WDDJ	13-FEB-96	26-FEB-96	<	10	UGL	.0		
UM18	BENZID	BENZID	MD5703X2	DV4N*458	WDBJ	14-FEB-96	04-MAR-96	<	10	UGL	.0		
UM18	BENZID	BENZID	MX5703X2	DV4N*172	WDBJ	14-FEB-96	04-MAR-96	<	10	UGL	.0		
UM18	BENZID	BENZID	MXAX04X2	DV4N*238	WDBJ	15-FEB-96	04-MAR-96	<	10	UGL	.0		
UM18	BENZID	BENZID	MDAX04X2	DV4N*457	WDBJ	15-FEB-96	04-MAR-96	<	10	UGL	.0		
UM18	BENZID	BENZID	MDZW11X4	DV4N*456	WDDJ	14-FEB-96	26-FEB-96	<	10	UGL	.0		
UM18	BENZID	BENZID	MXZW11X4	DV4N*274	WDDJ	14-FEB-96	26-FEB-96	<	10	UGL	.0		
UM18	BENZOA	BENZOA	MD5701X2	DV4N*455	WDDJ	13-FEB-96	26-FEB-96	<	13	UGL	.0		
UM18	BENZOA	BENZOA	MX5701X2	DV4N*168	WDDJ	13-FEB-96	26-FEB-96	<	13	UGL	.0		
UM18	BENZOA	BENZOA	MX5703X2	DV4N*172	WDBJ	14-FEB-96	04-MAR-96	<	13	UGL	.0		
UM18	BENZOA	BENZOA	MD5703X2	DV4N*458	WDBJ	14-FEB-96	04-MAR-96	<	13	UGL	.0		
UM18	BENZOA	BENZOA	MDAX04X2	DV4N*457	WDBJ	15-FEB-96	04-MAR-96	<	13	UGL	.0		
UM18	BENZOA	BENZOA	MXAX04X2	DV4N*238	WDBJ	15-FEB-96	04-MAR-96	<	13	UGL	.0		
UM18	BENZOA	BENZOA	MDZW11X4	DV4N*456	WDDJ	14-FEB-96	26-FEB-96	<	13	UGL	.0		
UM18	BENZOA	BENZOA	MXZW11X4	DV4N*274	WDDJ	14-FEB-96	26-FEB-96	<	13	UGL	.0		
UM18	BGHIPY	BGHIPY	MX5701X2	DV4N*168	WDDJ	13-FEB-96	26-FEB-96	<	6.1	UGL	.0		
UM18	BGHIPY	BGHIPY	MD5701X2	DV4N*455	WDDJ	13-FEB-96	26-FEB-96	<	6.1	UGL	.0		
UM18	BGHIPY	BGHIPY	MD5703X2	DV4N*458	WDBJ	14-FEB-96	04-MAR-96	<	6.1	UGL	.0		
UM18	BGHIPY	BGHIPY	MX5703X2	DV4N*172	WDBJ	14-FEB-96	04-MAR-96	<	6.1	UGL	.0		
UM18	BGHIPY	BGHIPY	MXAX04X2	DV4N*238	WDBJ	15-FEB-96	04-MAR-96	<	6.1	UGL	.0		
UM18	BGHIPY	BGHIPY	MDAX04X2	DV4N*457	WDBJ	15-FEB-96	04-MAR-96	<	6.1	UGL	.0		
UM18	BGHIPY	BGHIPY	MDZW11X4	DV4N*456	WDDJ	14-FEB-96	26-FEB-96	<	6.1	UGL	.0		
UM18	BGHIPY	BGHIPY	MXZW11X4	DV4N*274	WDDJ	14-FEB-96	26-FEB-96	<	6.1	UGL	.0		
UM18	BKFPNT	BKFPNT	MD5701X2	DV4N*455	WDDJ	13-FEB-96	26-FEB-96	<	.87	UGL	.0		
UM18	BKFPNT	BKFPNT	MX5701X2	DV4N*168	WDDJ	13-FEB-96	26-FEB-96	<	.87	UGL	.0		

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

SAMPLE Duplicates

Method Description	IRDMIS Method Code	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value	Units	RPD
BNA'S IN WATER BY GC/MS	UM18	KX5703X2	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	<	.87	UGL
BNA'S IN WATER BY GC/MS	UM18	MD5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	<	.87	UGL
BNA'S IN WATER BY GC/MS	UM18	MDX04X2	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	<	.87	UGL
BNA'S IN WATER BY GC/MS	UM18	MDX04X2	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	<	.87	UGL
BNA'S IN WATER BY GC/MS	UM18	MDZM11X4	DV4W*456	WDBJ	14-FEB-96	26-FEB-96	<	.87	UGL
BNA'S IN WATER BY GC/MS	UM18	KXZM11X4	DV4W*274	WDBJ	14-FEB-96	26-FEB-96	<	.87	UGL
BNA'S IN WATER BY GC/MS	UM18	KX5701X2	DV4W*168	WDBJ	13-FEB-96	26-FEB-96	<	.72	UGL
BNA'S IN WATER BY GC/MS	UM18	MD5701X2	DV4W*455	WDBJ	13-FEB-96	26-FEB-96	<	.72	UGL
BNA'S IN WATER BY GC/MS	UM18	KX5703X2	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	<	.72	UGL
BNA'S IN WATER BY GC/MS	UM18	MD5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	<	.72	UGL
BNA'S IN WATER BY GC/MS	UM18	MDX04X2	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	<	.72	UGL
BNA'S IN WATER BY GC/MS	UM18	MDX04X2	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	<	.72	UGL
BNA'S IN WATER BY GC/MS	UM18	MDZM11X4	DV4W*456	WDBJ	14-FEB-96	26-FEB-96	<	.72	UGL
BNA'S IN WATER BY GC/MS	UM18	KXZM11X4	DV4W*274	WDBJ	14-FEB-96	26-FEB-96	<	.72	UGL
BNA'S IN WATER BY GC/MS	UM18	KX5701X2	DV4W*168	WDBJ	13-FEB-96	26-FEB-96	<	2	UGL
BNA'S IN WATER BY GC/MS	UM18	MD5701X2	DV4W*455	WDBJ	13-FEB-96	26-FEB-96	<	2	UGL
BNA'S IN WATER BY GC/MS	UM18	KX5703X2	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	<	2	UGL
BNA'S IN WATER BY GC/MS	UM18	MD5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	<	2	UGL
BNA'S IN WATER BY GC/MS	UM18	MDX04X2	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	<	2	UGL
BNA'S IN WATER BY GC/MS	UM18	MDX04X2	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	<	2	UGL
BNA'S IN WATER BY GC/MS	UM18	MDZM11X4	DV4W*456	WDBJ	14-FEB-96	26-FEB-96	<	2	UGL
BNA'S IN WATER BY GC/MS	UM18	KXZM11X4	DV4W*274	WDBJ	14-FEB-96	26-FEB-96	<	2	UGL
BNA'S IN WATER BY GC/MS	UM18	KX5701X2	DV4W*168	WDBJ	13-FEB-96	26-FEB-96	<	2.4	UGL
BNA'S IN WATER BY GC/MS	UM18	MD5701X2	DV4W*455	WDBJ	13-FEB-96	26-FEB-96	<	2.4	UGL
BNA'S IN WATER BY GC/MS	UM18	KX5703X2	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	<	2.4	UGL
BNA'S IN WATER BY GC/MS	UM18	MD5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	<	2.4	UGL
BNA'S IN WATER BY GC/MS	UM18	MDX04X2	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	<	2.4	UGL
BNA'S IN WATER BY GC/MS	UM18	MDX04X2	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	<	2.4	UGL
BNA'S IN WATER BY GC/MS	UM18	MDZM11X4	DV4W*456	WDBJ	14-FEB-96	26-FEB-96	<	2.4	UGL
BNA'S IN WATER BY GC/MS	UM18	KXZM11X4	DV4W*274	WDBJ	14-FEB-96	26-FEB-96	<	2.4	UGL

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

SAMPLES DUPLICATES

Method Description	IRDMIS Code	Test Name	IRDMIS Field Number	Lab Number	Lot	Sample Date	Analysis Date	Value	Units	RPD
ENAS IN WATER BY GC/MS	UM18	CL6EZ	MX5701X2	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	1.6	UGL	.0
ENAS IN WATER BY GC/MS	UM18	CL6EZ	MX5701X2	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	1.6	UGL	.0
ENAS IN WATER BY GC/MS	UM18	CL6EZ	MX5703X2	DV4W*172	WDEJ	14-FEB-96	04-MAR-96	1.6	UGL	.0
ENAS IN WATER BY GC/MS	UM18	CL6EZ	MX5703X2	DV4W*458	WDEJ	14-FEB-96	04-MAR-96	1.6	UGL	.0
ENAS IN WATER BY GC/MS	UM18	CL6EZ	MXAX04X2	DV4W*238	WDEJ	15-FEB-96	04-MAR-96	1.6	UGL	.0
ENAS IN WATER BY GC/MS	UM18	CL6EZ	MDAX04X2	DV4W*457	WDEJ	15-FEB-96	04-MAR-96	1.6	UGL	.0
ENAS IN WATER BY GC/MS	UM18	CL6EZ	MDZW11X4	DV4W*456	WDDJ	14-FEB-96	26-FEB-96	1.6	UGL	.0
ENAS IN WATER BY GC/MS	UM18	CL6EZ	MXZW11X4	DV4W*274	WDDJ	14-FEB-96	26-FEB-96	1.6	UGL	.0
ENAS IN WATER BY GC/MS	UM18	CL6CP	MX5701X2	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	8.6	UGL	.0
ENAS IN WATER BY GC/MS	UM18	CL6CP	MX5701X2	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	8.6	UGL	.0
ENAS IN WATER BY GC/MS	UM18	CL6CP	MX5703X2	DV4W*458	WDEJ	14-FEB-96	04-MAR-96	8.6	UGL	.0
ENAS IN WATER BY GC/MS	UM18	CL6CP	MX5703X2	DV4W*172	WDEJ	14-FEB-96	04-MAR-96	8.6	UGL	.0
ENAS IN WATER BY GC/MS	UM18	CL6CP	MDAX04X2	DV4W*437	WDEJ	15-FEB-96	04-MAR-96	8.6	UGL	.0
ENAS IN WATER BY GC/MS	UM18	CL6CP	MXAX04X2	DV4W*238	WDEJ	15-FEB-96	04-MAR-96	8.6	UGL	.0
ENAS IN WATER BY GC/MS	UM18	CL6CP	MDZW11X4	DV4W*456	WDDJ	14-FEB-96	26-FEB-96	8.6	UGL	.0
ENAS IN WATER BY GC/MS	UM18	CL6CP	MXZW11X4	DV4W*274	WDDJ	14-FEB-96	26-FEB-96	8.6	UGL	.0
ENAS IN WATER BY GC/MS	UM18	CL6ET	MX5701X2	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	1.5	UGL	.0
ENAS IN WATER BY GC/MS	UM18	CL6ET	MX5701X2	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	1.5	UGL	.0
ENAS IN WATER BY GC/MS	UM18	CL6ET	MX5703X2	DV4W*172	WDEJ	14-FEB-96	04-MAR-96	1.5	UGL	.0
ENAS IN WATER BY GC/MS	UM18	CL6ET	MX5703X2	DV4W*458	WDEJ	14-FEB-96	04-MAR-96	1.5	UGL	.0
ENAS IN WATER BY GC/MS	UM18	CL6ET	MXAX04X2	DV4W*238	WDEJ	15-FEB-96	04-MAR-96	1.5	UGL	.0
ENAS IN WATER BY GC/MS	UM18	CL6ET	MDAX04X2	DV4W*457	WDEJ	15-FEB-96	04-MAR-96	1.5	UGL	.0
ENAS IN WATER BY GC/MS	UM18	CL6ET	MDZW11X4	DV4W*456	WDDJ	14-FEB-96	26-FEB-96	1.5	UGL	.0
ENAS IN WATER BY GC/MS	UM18	CL6ET	MXZW11X4	DV4W*274	WDDJ	14-FEB-96	26-FEB-96	1.5	UGL	.0
ENAS IN WATER BY GC/MS	UM18	DBAHA	MX5701X2	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	6.5	UGL	.0
ENAS IN WATER BY GC/MS	UM18	DBAHA	MX5701X2	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	6.5	UGL	.0
ENAS IN WATER BY GC/MS	UM18	DBAHA	MX5703X2	DV4W*458	WDEJ	14-FEB-96	04-MAR-96	6.5	UGL	.0
ENAS IN WATER BY GC/MS	UM18	DBAHA	MX5703X2	DV4W*172	WDEJ	14-FEB-96	04-MAR-96	6.5	UGL	.0
ENAS IN WATER BY GC/MS	UM18	DBAHA	MXAX04X2	DV4W*238	WDEJ	15-FEB-96	04-MAR-96	6.5	UGL	.0

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

SAMPLE DUPLICATES

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	<	Value Units	RPD
BNA'S IN WATER BY GC/MS	UM18	DBAHA	MDAX04X2	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	<	6.5 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	DBAHA	MDZW11X4	DV4W*456	WDBJ	14-FEB-96	26-FEB-96	<	6.5 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	DBAHA	MDZW11X4	DV4W*274	WDBJ	14-FEB-96	26-FEB-96	<	6.5 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	DBHC	MD5701X2	DV4W*455	WDBJ	13-FEB-96	26-FEB-96	<	4 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	DBHC	MD5701X2	DV4W*168	WDBJ	13-FEB-96	26-FEB-96	<	4 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	DBHC	MD5703X2	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	<	4 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	DBHC	MD5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	<	4 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	DBHC	MDAX04X2	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	<	4 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	DBHC	MDAX04X2	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	<	4 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	DBHC	MDZW11X4	DV4W*456	WDBJ	14-FEB-96	26-FEB-96	<	4 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	DBHC	MDZW11X4	DV4W*274	WDBJ	14-FEB-96	26-FEB-96	<	4 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	DB2FUR	MD5701X2	DV4W*168	WDBJ	13-FEB-96	26-FEB-96	<	1.7 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	DB2FUR	MD5701X2	DV4W*455	WDBJ	13-FEB-96	26-FEB-96	<	1.7 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	DB2FUR	MD5703X2	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	<	1.7 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	DB2FUR	MD5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	<	1.7 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	DB2FUR	MDAX04X2	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	<	1.7 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	DB2FUR	MDAX04X2	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	<	1.7 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	DB2FUR	MDZW11X4	DV4W*456	WDBJ	14-FEB-96	26-FEB-96	<	1.7 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	DB2FUR	MDZW11X4	DV4W*274	WDBJ	14-FEB-96	26-FEB-96	<	1.7 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	DBP	MD5701X2	DV4W*455	WDBJ	13-FEB-96	26-FEB-96	<	2 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	DBP	MD5701X2	DV4W*168	WDBJ	13-FEB-96	26-FEB-96	<	2 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	DBP	MD5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	<	2 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	DBP	MD5703X2	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	<	2 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	DBP	MDAX04X2	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	<	2 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	DBP	MDAX04X2	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	<	2 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	DBP	MDZW11X4	DV4W*274	WDBJ	14-FEB-96	26-FEB-96	<	5.1 UGL	87.3
BNA'S IN WATER BY GC/MS	UM18	DBP	MDZW11X4	DV4W*456	WDBJ	14-FEB-96	26-FEB-96	<	2 UGL	87.3
BNA'S IN WATER BY GC/MS	UM18	DLDN	MD5701X2	DV4W*455	WDBJ	13-FEB-96	26-FEB-96	<	4.7 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	DLDN	MD5701X2	DV4W*168	WDBJ	13-FEB-96	26-FEB-96	<	4.7 UGL	.0

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

SAMPLE DUPLICATES

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value	Units	RPD
ENA'S IN WATER BY GC/MS	UM18	DLDN	MX5703X2	DV4N*172	WDEJ	14-FEB-96	04-MAR-96	<	4.7 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	DLDN	MD5703X2	DV4N*458	WDEJ	14-FEB-96	04-MAR-96	<	4.7 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	DLDN	MDAX04X2	DV4N*457	WDEJ	15-FEB-96	04-MAR-96	<	4.7 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	DLDN	MXAX04X2	DV4N*238	WDEJ	15-FEB-96	04-MAR-96	<	4.7 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	DLDN	MDZM11X4	DV4N*456	WDDJ	14-FEB-96	26-FEB-96	<	4.7 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	DLDN	MXZM11X4	DV4N*274	WDDJ	14-FEB-96	26-FEB-96	<	4.7 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	DMP	MD5701X2	DV4N*455	WDDJ	13-FEB-96	26-FEB-96	<	1.5 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	DMP	MX5701X2	DV4N*168	WDDJ	13-FEB-96	26-FEB-96	<	1.5 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	DMP	MD5703X2	DV4N*458	WDEJ	14-FEB-96	04-MAR-96	<	1.5 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	DMP	MXAX04X2	DV4N*172	WDEJ	14-FEB-96	04-MAR-96	<	1.5 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	DMP	MDAX04X2	DV4N*238	WDEJ	15-FEB-96	04-MAR-96	<	1.5 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	DMP	MDZM11X4	DV4N*456	WDDJ	14-FEB-96	26-FEB-96	<	1.5 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	DMP	MXZM11X4	DV4N*274	WDDJ	14-FEB-96	26-FEB-96	<	1.5 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	DNBP	MD5701X2	DV4N*455	WDDJ	13-FEB-96	26-FEB-96	<	3.7 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	DNBP	MX5701X2	DV4N*168	WDDJ	13-FEB-96	26-FEB-96	<	3.7 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	DNBP	MD5703X2	DV4N*172	WDEJ	14-FEB-96	04-MAR-96	<	3.7 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	DNBP	MDAX04X2	DV4N*457	WDEJ	15-FEB-96	04-MAR-96	<	3.7 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	DNBP	MXAX04X2	DV4N*238	WDEJ	15-FEB-96	04-MAR-96	<	3.7 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	DNBP	MDZM11X4	DV4N*456	WDDJ	14-FEB-96	26-FEB-96	<	3.7 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	DNBP	MXZM11X4	DV4N*274	WDDJ	14-FEB-96	26-FEB-96	<	3.7 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	DNBP	MD5701X2	DV4N*168	WDDJ	13-FEB-96	26-FEB-96	<	15 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	DNBP	MD5703X2	DV4N*455	WDDJ	13-FEB-96	26-FEB-96	<	15 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	DNBP	MDAX04X2	DV4N*172	WDEJ	14-FEB-96	04-MAR-96	<	15 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	DNBP	MXAX04X2	DV4N*238	WDEJ	15-FEB-96	04-MAR-96	<	15 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	DNBP	MDAX04X2	DV4N*457	WDEJ	15-FEB-96	04-MAR-96	<	15 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	DNBP	MXZM11X4	DV4N*274	WDDJ	14-FEB-96	26-FEB-96	<	15 UGL	.0
ENA'S IN WATER BY GC/MS	UM18	DNBP	MDZM11X4	DV4N*456	WDDJ	14-FEB-96	26-FEB-96	<	15 UGL	.0

SAMPLE DUBLICATS

[illegible]

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

SAMPLE DUPLICATES

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	<	Value	Units	RPD
BNA'S IN WATER BY GC/MS	UM18	ESFSO4	MXAX04X2	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	<	9.2	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ESFSO4	MXZW11X4	DV4W*274	WDBJ	14-FEB-96	26-FEB-96	<	9.2	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ESFSO4	MDZW11X4	DV4W*456	WDBJ	14-FEB-96	26-FEB-96	<	9.2	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ET4MBZ	MD5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	<	10	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ET4MBZ	MX5703X2	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	<	10	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ET4MBZ	MD5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	<	10	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	PANT	MX5701X2	DV4W*168	WDBJ	13-FEB-96	26-FEB-96	<	3.3	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	PANT	MD5701X2	DV4W*455	WDBJ	13-FEB-96	26-FEB-96	<	3.3	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	PANT	MX5703X2	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	<	3.3	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	PANT	MD5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	<	3.3	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	PANT	MXAX04X2	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	<	3.3	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	PANT	MDAX04X2	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	<	3.3	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	PANT	MDZW11X4	DV4W*456	WDBJ	14-FEB-96	26-FEB-96	<	3.3	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	PANT	MXZW11X4	DV4W*274	WDBJ	14-FEB-96	26-FEB-96	<	3.3	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	FLRENE	MD5701X2	DV4W*455	WDBJ	13-FEB-96	26-FEB-96	<	3.7	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	FLRENE	MX5701X2	DV4W*168	WDBJ	13-FEB-96	26-FEB-96	<	3.7	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	FLRENE	MX5703X2	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	<	3.7	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	FLRENE	MD5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	<	3.7	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	FLRENE	MXAX04X2	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	<	3.7	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	FLRENE	MDAX04X2	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	<	3.7	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	FLRENE	MDZW11X4	DV4W*456	WDBJ	14-FEB-96	26-FEB-96	<	3.7	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	FLRENE	MXZW11X4	DV4W*274	WDBJ	14-FEB-96	26-FEB-96	<	3.7	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	GCIDAN	MD5701X2	DV4W*455	WDBJ	13-FEB-96	26-FEB-96	<	5.1	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	GCIDAN	MX5701X2	DV4W*168	WDBJ	13-FEB-96	26-FEB-96	<	5.1	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	GCIDAN	MX5703X2	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	<	5.1	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	GCIDAN	MD5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	<	5.1	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	GCIDAN	MDAX04X2	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	<	5.1	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	GCIDAN	MXAX04X2	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	<	5.1	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	GCIDAN	MDZW11X4	DV4W*456	WDBJ	14-FEB-96	26-FEB-96	<	5.1	UGL	.0

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

SAMPLE DUPLICATES

Method Description	IRDMIS Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value	Units	RPD
BNA'S IN WATER BY GC/MS	UM18	GC/DAN	MX2W11X4	DV4W*274	WDDJ	14-FEB-96	26-FEB-96	5.1	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	HCBD	MD5701X2	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	3.4	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	HCBD	MX5701X2	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	3.4	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	HCBD	MX5703X2	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	3.4	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	HCBD	MD5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	3.4	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	HCBD	MDAX04X2	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	3.4	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	HCBD	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	04-MAR-96	3.4	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	HCBD	MX2W11X4	DV4W*456	WDDJ	14-FEB-96	26-FEB-96	3.4	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	HCBD	MX2W11X4	DV4W*274	WDDJ	14-FEB-96	26-FEB-96	3.4	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	HPCL	MD5701X2	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	2	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	HPCL	MX5701X2	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	2	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	HPCL	MX5703X2	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	2	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	HPCL	MD5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	2	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	HPCL	MDAX04X2	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	2	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	HPCL	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	04-MAR-96	2	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	HPCL	MX2W11X4	DV4W*456	WDDJ	14-FEB-96	26-FEB-96	2	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	HPCL	MX2W11X4	DV4W*274	WDDJ	14-FEB-96	26-FEB-96	2	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	HPCL	MX5701X2	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	5	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	HPCL	MD5701X2	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	5	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	HPCL	MX5703X2	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	5	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	HPCL	MD5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	5	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	HPCL	MDAX04X2	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	5	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	HPCL	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	04-MAR-96	5	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	HPCL	MX2W11X4	DV4W*456	WDDJ	14-FEB-96	26-FEB-96	5	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	HPCL	MX2W11X4	DV4W*274	WDDJ	14-FEB-96	26-FEB-96	5	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ICDPYR	MX5701X2	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	8.6	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ICDPYR	MD5701X2	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	8.6	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ICDPYR	MX5703X2	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	8.6	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ICDPYR	MD5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	8.6	UGL	.0

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

SAMPLE DUPLICATES

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value	Units	RPD
BNA'S IN WATER BY GC/MS	UM18	ICDPYR	MXAX04X2	DV4W*238	WDEJ	15-FEB-96	04-MAR-96	<	8.6 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ICDPYR	MDAX04X2	DV4W*457	WDEJ	15-FEB-96	04-MAR-96	<	8.6 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ICDPYR	MDZW11X4	DV4W*456	WDDJ	14-FEB-96	26-FEB-96	<	8.6 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ICDPYR	MXZW11X4	DV4W*274	WDDJ	14-FEB-96	26-FEB-96	<	8.6 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ISOPHR	MD5701X2	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	<	4.8 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ISOPHR	MX5701X2	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	<	4.8 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ISOPHR	MX5703X2	DV4W*172	WDEJ	14-FEB-96	04-MAR-96	<	4.8 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ISOPHR	MD5703X2	DV4W*458	WDEJ	14-FEB-96	04-MAR-96	<	4.8 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ISOPHR	MDAX04X2	DV4W*457	WDEJ	15-FEB-96	04-MAR-96	<	4.8 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ISOPHR	MXAX04X2	DV4W*238	WDEJ	15-FEB-96	04-MAR-96	<	4.8 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ISOPHR	MDZW11X4	DV4W*456	WDDJ	14-FEB-96	26-FEB-96	<	4.8 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	ISOPHR	MXZW11X4	DV4W*274	WDDJ	14-FEB-96	26-FEB-96	<	4.8 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	LIN	MD5701X2	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	<	4 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	LIN	MX5701X2	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	<	4 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	LIN	MX5703X2	DV4W*172	WDEJ	14-FEB-96	04-MAR-96	<	4 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	LIN	MD5703X2	DV4W*458	WDEJ	14-FEB-96	04-MAR-96	<	4 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	LIN	MDAX04X2	DV4W*457	WDEJ	15-FEB-96	04-MAR-96	<	4 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	LIN	MXAX04X2	DV4W*238	WDEJ	15-FEB-96	04-MAR-96	<	4 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	LIN	MDZW11X4	DV4W*456	WDDJ	14-FEB-96	26-FEB-96	<	4 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	LIN	MXZW11X4	DV4W*274	WDDJ	14-FEB-96	26-FEB-96	<	4 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	MEKCLR	MD5701X2	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	<	5.1 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	MEKCLR	MD5701X2	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	<	5.1 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	MEKCLR	MX5703X2	DV4W*172	WDEJ	14-FEB-96	04-MAR-96	<	5.1 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	MEKCLR	MD5703X2	DV4W*458	WDEJ	14-FEB-96	04-MAR-96	<	5.1 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	MEKCLR	MDAX04X2	DV4W*457	WDEJ	15-FEB-96	04-MAR-96	<	5.1 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	MEKCLR	MXAX04X2	DV4W*238	WDEJ	15-FEB-96	04-MAR-96	<	5.1 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	MEKCLR	MDZW11X4	DV4W*456	WDDJ	14-FEB-96	26-FEB-96	<	5.1 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	MEKCLR	MXZW11X4	DV4W*274	WDDJ	14-FEB-96	26-FEB-96	<	5.1 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	NAP	MX5701X2	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	<	.5 UGL	.0

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

SAMPLE DUPLICATES

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	<	Value Units	RPD
BNA'S IN WATER BY GC/MS	UM18	NAP	MD5701X2	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	<	.5 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	NAP	MD5703X2	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	<	2.8 UGL	7.4
BNA'S IN WATER BY GC/MS	UM18	NAP	MD5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	<	2.6 UGL	7.4
BNA'S IN WATER BY GC/MS	UM18	NAP	MDAX04X2	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	<	.5 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	NAP	MDAX04X2	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	<	.5 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	NAP	MDZM11X4	DV4W*456	WDDJ	14-FEB-96	26-FEB-96	<	.5 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	NAP	MDZM11X4	DV4W*274	WDDJ	14-FEB-96	26-FEB-96	<	.5 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	NB	MD5701X2	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	<	.5 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	NB	MD5701X2	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	<	.5 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	NB	MD5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	<	.5 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	NB	MD5703X2	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	<	.5 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	NB	MDAX04X2	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	<	.5 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	NB	MDAX04X2	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	<	.5 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	NB	MDZM11X4	DV4W*456	WDDJ	14-FEB-96	26-FEB-96	<	.5 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	NB	MDZM11X4	DV4W*274	WDDJ	14-FEB-96	26-FEB-96	<	.5 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	NNMBA	MD5701X2	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	<	2 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	NNMBA	MD5701X2	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	<	2 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	NNMBA	MD5703X2	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	<	2 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	NNMBA	MD5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	<	2 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	NNMBA	MDAX04X2	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	<	2 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	NNMBA	MDAX04X2	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	<	2 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	NNMBA	MDZM11X4	DV4W*456	WDDJ	14-FEB-96	26-FEB-96	<	2 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	NNMBA	MDZM11X4	DV4W*274	WDDJ	14-FEB-96	26-FEB-96	<	2 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	NNNPA	MD5701X2	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	<	4.4 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	NNNPA	MD5701X2	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	<	4.4 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	NNNPA	MD5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	<	4.4 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	NNNPA	MD5703X2	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	<	4.4 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	NNNPA	MDAX04X2	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	<	4.4 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	NNNPA	MDAX04X2	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	<	4.4 UGL	.0
BNA'S IN WATER BY GC/MS	UM18	NNNPA	MDZM11X4	DV4W*456	WDDJ	14-FEB-96	26-FEB-96	<	4.4 UGL	.0

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

SAMPLE DUPLICATES

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	<	Value	Units	RPD
BNA'S IN WATER BY GC/MS	UM18	NNDPA	MX2W11X4	DV4W*274	WDDJ	14-FEB-96	26-FEB-96	<	4.4	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	NNDPA	MX5701X2	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	<	3	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	NNDPA	MX5701X2	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	<	3	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	NNDPA	MX5703X2	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	<	3	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	NNDPA	MX5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	<	3	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	NNDPA	MXAX04X2	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	<	3	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	NNDPA	MDAX04X2	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	<	3	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	NNDPA	MD2W11X4	DV4W*456	WDDJ	14-FEB-96	26-FEB-96	<	3	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	NNDPA	MX2W11X4	DV4W*274	WDDJ	14-FEB-96	26-FEB-96	<	3	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	PCB016	MD5701X2	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	<	21	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	PCB016	MX5701X2	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	<	21	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	PCB016	MX5703X2	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	<	21	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	PCB016	MD5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	<	21	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	PCB016	MDAX04X2	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	<	21	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	PCB016	MXAX04X2	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	<	21	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	PCB016	MD2W11X4	DV4W*456	WDDJ	14-FEB-96	26-FEB-96	<	21	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	PCB016	MX2W11X4	DV4W*274	WDDJ	14-FEB-96	26-FEB-96	<	21	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	PCB221	MD5701X2	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	<	21	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	PCB221	MX5701X2	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	<	21	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	PCB221	MX5703X2	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	<	21	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	PCB221	MD5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	<	21	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	PCB221	MDAX04X2	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	<	21	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	PCB221	MXAX04X2	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	<	21	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	PCB221	MD2W11X4	DV4W*456	WDDJ	14-FEB-96	26-FEB-96	<	21	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	PCB221	MX2W11X4	DV4W*274	WDDJ	14-FEB-96	26-FEB-96	<	21	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	PCB232	MD5701X2	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	<	21	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	PCB232	MX5701X2	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	<	21	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	PCB232	MX5703X2	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	<	21	UGL	.0
BNA'S IN WATER BY GC/MS	UM18	PCB232	MD5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	<	21	UGL	.0

Chemical Quality Control Report
Installation: Port Devens, MA (DV)
Group 4 Sites

SAMPLE DUPLICATES

IRDMIS Method Code	IRDMIS Field Sample Number	Test Name	Lab Number	Lot	Sample Date	Analysis Date	<	Value Units	RPD
BNA'S IN WATER BY GC/MS	MDX04X2	PCB232	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	<	21 UGL	.0
BNA'S IN WATER BY GC/MS	MDX04X2	PCB232	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	<	21 UGL	.0
BNA'S IN WATER BY GC/MS	MDX04X2	PCB232	DV4W*274	WDBJ	14-FEB-96	26-FEB-96	<	21 UGL	.0
BNA'S IN WATER BY GC/MS	MDX04X2	PCB232	DV4W*456	WDBJ	14-FEB-96	26-FEB-96	<	21 UGL	.0
BNA'S IN WATER BY GC/MS	MDX04X2	PCB242	DV4W*455	WDBJ	13-FEB-96	26-FEB-96	<	30 UGL	.0
BNA'S IN WATER BY GC/MS	MDX04X2	PCB242	DV4W*168	WDBJ	13-FEB-96	26-FEB-96	<	30 UGL	.0
BNA'S IN WATER BY GC/MS	MDX04X2	PCB242	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	<	30 UGL	.0
BNA'S IN WATER BY GC/MS	MDX04X2	PCB242	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	<	30 UGL	.0
BNA'S IN WATER BY GC/MS	MDX04X2	PCB242	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	<	30 UGL	.0
BNA'S IN WATER BY GC/MS	MDX04X2	PCB242	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	<	30 UGL	.0
BNA'S IN WATER BY GC/MS	MDX04X2	PCB242	DV4W*456	WDBJ	14-FEB-96	26-FEB-96	<	30 UGL	.0
BNA'S IN WATER BY GC/MS	MDX04X2	PCB242	DV4W*274	WDBJ	14-FEB-96	26-FEB-96	<	30 UGL	.0
BNA'S IN WATER BY GC/MS	MDX04X2	PCB248	DV4W*455	WDBJ	13-FEB-96	26-FEB-96	<	30 UGL	.0
BNA'S IN WATER BY GC/MS	MDX04X2	PCB248	DV4W*168	WDBJ	13-FEB-96	26-FEB-96	<	30 UGL	.0
BNA'S IN WATER BY GC/MS	MDX04X2	PCB248	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	<	30 UGL	.0
BNA'S IN WATER BY GC/MS	MDX04X2	PCB248	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	<	30 UGL	.0
BNA'S IN WATER BY GC/MS	MDX04X2	PCB248	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	<	30 UGL	.0
BNA'S IN WATER BY GC/MS	MDX04X2	PCB248	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	<	30 UGL	.0
BNA'S IN WATER BY GC/MS	MDX04X2	PCB248	DV4W*456	WDBJ	14-FEB-96	26-FEB-96	<	30 UGL	.0
BNA'S IN WATER BY GC/MS	MDX04X2	PCB248	DV4W*274	WDBJ	14-FEB-96	26-FEB-96	<	30 UGL	.0
BNA'S IN WATER BY GC/MS	MDX04X2	PCB254	DV4W*168	WDBJ	13-FEB-96	26-FEB-96	<	36 UGL	.0
BNA'S IN WATER BY GC/MS	MDX04X2	PCB254	DV4W*455	WDBJ	13-FEB-96	26-FEB-96	<	36 UGL	.0
BNA'S IN WATER BY GC/MS	MDX04X2	PCB254	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	<	36 UGL	.0
BNA'S IN WATER BY GC/MS	MDX04X2	PCB254	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	<	36 UGL	.0
BNA'S IN WATER BY GC/MS	MDX04X2	PCB254	DV4W*457	WDBJ	15-FEB-96	04-MAR-96	<	36 UGL	.0
BNA'S IN WATER BY GC/MS	MDX04X2	PCB254	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	<	36 UGL	.0
BNA'S IN WATER BY GC/MS	MDX04X2	PCB254	DV4W*456	WDBJ	14-FEB-96	26-FEB-96	<	36 UGL	.0
BNA'S IN WATER BY GC/MS	MDX04X2	PCB254	DV4W*274	WDBJ	14-FEB-96	26-FEB-96	<	36 UGL	.0
BNA'S IN WATER BY GC/MS	MDX04X2	PCB260	DV4W*455	WDBJ	13-FEB-96	26-FEB-96	<	36 UGL	.0

SAMPLE DUBLICATS

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

SAMPLE DUPLICATES

IRDMIS Method Code	IRDMIS Field Sample Number	Test Name	Lab Number	Lot	Sample Date	Analysis Date	Value	Units	RPD
UM18	MX2W11X4	PHENOL	DV4W*274	WDDJ	14-FEB-96	26-FEB-96	9.2	UGL	.0
UM18	MD5701X2	PPDD	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	4	UGL	.0
UM18	MX5701X2	PPDD	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	4	UGL	.0
UM18	MX5703X2	PPDD	DV4W*172	WDEJ	14-FEB-96	04-MAR-96	4	UGL	.0
UM18	MD5703X2	PPDD	DV4W*458	WDEJ	14-FEB-96	04-MAR-96	4	UGL	.0
UM18	MDAX04X2	PPDD	DV4W*457	WDEJ	15-FEB-96	04-MAR-96	4	UGL	.0
UM18	MDAX04X2	PPDD	DV4W*238	WDEJ	15-FEB-96	04-MAR-96	4	UGL	.0
UM18	MD2W11X4	PPDD	DV4W*456	WDDJ	14-FEB-96	26-FEB-96	4	UGL	.0
UM18	MX2W11X4	PPDD	DV4W*274	WDDJ	14-FEB-96	26-FEB-96	4	UGL	.0
UM18	MD5701X2	PPDD	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	4.7	UGL	.0
UM18	MX5701X2	PPDD	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	4.7	UGL	.0
UM18	MX5703X2	PPDD	DV4W*172	WDEJ	14-FEB-96	04-MAR-96	4.7	UGL	.0
UM18	MD5703X2	PPDD	DV4W*458	WDEJ	14-FEB-96	04-MAR-96	4.7	UGL	.0
UM18	MDAX04X2	PPDD	DV4W*457	WDEJ	15-FEB-96	04-MAR-96	4.7	UGL	.0
UM18	MDAX04X2	PPDD	DV4W*238	WDEJ	15-FEB-96	04-MAR-96	4.7	UGL	.0
UM18	MD2W11X4	PPDD	DV4W*456	WDDJ	14-FEB-96	26-FEB-96	4.7	UGL	.0
UM18	MX2W11X4	PPDD	DV4W*274	WDDJ	14-FEB-96	26-FEB-96	4.7	UGL	.0
UM18	MD5701X2	PPDD	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	9.2	UGL	.0
UM18	MX5701X2	PPDD	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	9.2	UGL	.0
UM18	MX5703X2	PPDD	DV4W*172	WDEJ	14-FEB-96	04-MAR-96	9.2	UGL	.0
UM18	MD5703X2	PPDD	DV4W*458	WDEJ	14-FEB-96	04-MAR-96	9.2	UGL	.0
UM18	MDAX04X2	PPDD	DV4W*457	WDEJ	15-FEB-96	04-MAR-96	9.2	UGL	.0
UM18	MDAX04X2	PPDD	DV4W*238	WDEJ	15-FEB-96	04-MAR-96	9.2	UGL	.0
UM18	MD2W11X4	PPDD	DV4W*456	WDDJ	14-FEB-96	26-FEB-96	9.2	UGL	.0
UM18	MX2W11X4	PPDD	DV4W*274	WDDJ	14-FEB-96	26-FEB-96	9.2	UGL	.0
UM18	MD5701X2	PYR	DV4W*168	WDDJ	13-FEB-96	26-FEB-96	2.8	UGL	.0
UM18	MD5701X2	PYR	DV4W*455	WDDJ	13-FEB-96	26-FEB-96	2.8	UGL	.0
UM18	MX5703X2	PYR	DV4W*172	WDEJ	14-FEB-96	04-MAR-96	2.8	UGL	.0
UM18	MD5703X2	PYR	DV4W*458	WDEJ	14-FEB-96	04-MAR-96	2.8	UGL	.0

SAMPLE DUPLICATES

[illegible]

SAMPLE DUBLICATBS

IRDMIS Method	Field	Test Name	IRDMIS Sample		Lab Number	Sample		Analysis Date	<	Value		Units	RPD
			Number	Field		Lot	Date						
UM20	VOC'S IN WATER	112TCB	MD5703X2		DV4W*458	XDAP	14-FEB-96	<		1.2	UG/L	.0	
	VOC'S IN WATER	112TCB	MXAX04X2		DV4W*238	XDZO	15-FEB-96	<		1.2	UG/L	.0	
	VOC'S IN WATER	112TCB	MDAX04X2		DV4W*457	XDAP	20-FEB-96	<		1.2	UG/L	.0	
	VOC'S IN WATER	112TCB	MDZW11X4		DV4W*456	XDYO	14-FEB-96	<		1.2	UG/L	.0	
UM20	VOC'S IN WATER	112TCB	MXZW11X4		DV4W*274	XDYO	14-FEB-96	<		1.2	UG/L	.0	
	VOC'S IN WATER	11DCB	MX5701X2		DV4W*168	XDZO	13-FEB-96	<		.5	UG/L	.0	
	VOC'S IN WATER	11DCB	MD5701X2		DV4W*455	XDZO	13-FEB-96	<		.5	UG/L	.0	
	VOC'S IN WATER	11DCB	MX5703X2		DV4W*172	XDZO	14-FEB-96	<		.5	UG/L	.0	
UM20	VOC'S IN WATER	11DCB	MD5703X2		DV4W*458	XDAP	14-FEB-96	<		.5	UG/L	.0	
	VOC'S IN WATER	11DCB	MDAX04X2		DV4W*457	XDAP	15-FEB-96	<		.5	UG/L	.0	
	VOC'S IN WATER	11DCB	MXAX04X2		DV4W*238	XDZO	15-FEB-96	<		.5	UG/L	.0	
	VOC'S IN WATER	11DCB	MDZW11X4		DV4W*456	XDYO	14-FEB-96	<		.5	UG/L	.0	
UM20	VOC'S IN WATER	11DCB	MXZW11X4		DV4W*274	XDYO	14-FEB-96	<		.5	UG/L	.0	
	VOC'S IN WATER	11DCB	MD5701X2		DV4W*455	XDZO	13-FEB-96	<		.68	UG/L	.0	
	VOC'S IN WATER	11DCB	MX5701X2		DV4W*168	XDZO	13-FEB-96	<		.68	UG/L	.0	
	VOC'S IN WATER	11DCB	MX5703X2		DV4W*172	XDZO	14-FEB-96	<		.68	UG/L	.0	
UM20	VOC'S IN WATER	11DCB	MD5703X2		DV4W*458	XDAP	14-FEB-96	<		.68	UG/L	.0	
	VOC'S IN WATER	11DCB	MDAX04X2		DV4W*457	XDAP	15-FEB-96	<		.68	UG/L	.0	
	VOC'S IN WATER	11DCB	MXAX04X2		DV4W*238	XDZO	15-FEB-96	<		.68	UG/L	.0	
	VOC'S IN WATER	11DCB	MDZW11X4		DV4W*456	XDYO	14-FEB-96	<		.68	UG/L	.0	
UM20	VOC'S IN WATER	11DCB	MXZW11X4		DV4W*274	XDYO	14-FEB-96	<		.68	UG/L	.0	
	VOC'S IN WATER	12DCB	MD5701X2		DV4W*455	XDZO	13-FEB-96	<		.5	UG/L	.0	
	VOC'S IN WATER	12DCB	MX5701X2		DV4W*168	XDZO	13-FEB-96	<		.5	UG/L	.0	
	VOC'S IN WATER	12DCB	MX5703X2		DV4W*172	XDZO	14-FEB-96	<		.5	UG/L	.0	
UM20	VOC'S IN WATER	12DCB	MD5703X2		DV4W*458	XDAP	14-FEB-96	<		.5	UG/L	.0	
	VOC'S IN WATER	12DCB	MDAX04X2		DV4W*238	XDZO	15-FEB-96	<		.5	UG/L	.0	
	VOC'S IN WATER	12DCB	MDAX04X2		DV4W*457	XDAP	15-FEB-96	<		.5	UG/L	.0	
	VOC'S IN WATER	12DCB	MDZW11X4		DV4W*456	XDYO	14-FEB-96	<		.5	UG/L	.0	
UM20	VOC'S IN WATER	12DCB	MXZW11X4		DV4W*274	XDYO	14-FEB-96	<		.5	UG/L	.0	
	VOC'S IN WATER	12DCB	MD5701X2		DV4W*455	XDZO	13-FEB-96	<		.5	UG/L	.0	
	VOC'S IN WATER	12DCB	MX5701X2		DV4W*168	XDZO	13-FEB-96	<		.5	UG/L	.0	
	VOC'S IN WATER	12DCB	MX5703X2		DV4W*172	XDZO	14-FEB-96	<		.5	UG/L	.0	

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

SAMPLE DUBLICATES

Method Description	IRDMIS Method Code	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	<	Value	Units	RPD
VOC'S IN WATER BY GC/MS	UM20	MD5701X2	DV4W*455	XDZO	13-FEB-96	16-FEB-96	<	.5	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MX5701X2	DV4W*168	XDZO	13-FEB-96	16-FEB-96	<	.5	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MX5703X2	DV4W*172	XDZO	14-FEB-96	16-FEB-96	<	.5	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MD5703X2	DV4W*458	XDAP	14-FEB-96	20-FEB-96	<	.5	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MXAX04X2	DV4W*238	XDZO	15-FEB-96	16-FEB-96	<	.5	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MDAX04X2	DV4W*457	XDAP	15-FEB-96	20-FEB-96	<	.5	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MDZW11X4	DV4W*456	XDYO	14-FEB-96	16-FEB-96	<	.5	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MXZW11X4	DV4W*274	XDYO	14-FEB-96	16-FEB-96	<	.5	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MD5701X2	DV4W*455	XDZO	13-FEB-96	16-FEB-96	<	.5	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MX5701X2	DV4W*168	XDZO	13-FEB-96	16-FEB-96	<	.5	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MX5703X2	DV4W*172	XDZO	14-FEB-96	16-FEB-96	<	.5	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MD5703X2	DV4W*458	XDAP	14-FEB-96	20-FEB-96	<	.5	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MDAX04X2	DV4W*457	XDAP	15-FEB-96	20-FEB-96	<	.5	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MXAX04X2	DV4W*238	XDZO	15-FEB-96	16-FEB-96	<	.5	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MDZW11X4	DV4W*456	XDYO	14-FEB-96	16-FEB-96	<	.5	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MXZW11X4	DV4W*274	XDYO	14-FEB-96	16-FEB-96	<	.5	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MD5701X2	DV4W*455	XDZO	13-FEB-96	16-FEB-96	<	.71	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MX5701X2	DV4W*168	XDZO	13-FEB-96	16-FEB-96	<	.71	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MD5703X2	DV4W*172	XDZO	14-FEB-96	20-FEB-96	<	.71	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MX5703X2	DV4W*458	XDAP	14-FEB-96	16-FEB-96	<	.71	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MDAX04X2	DV4W*238	XDZO	15-FEB-96	16-FEB-96	<	.71	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MDAX04X2	DV4W*457	XDAP	15-FEB-96	20-FEB-96	<	.71	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MDZW11X4	DV4W*456	XDYO	14-FEB-96	16-FEB-96	<	.71	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MXZW11X4	DV4W*274	XDYO	14-FEB-96	16-FEB-96	<	.71	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MD5701X2	DV4W*455	XDZO	13-FEB-96	16-FEB-96	<	.71	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MX5701X2	DV4W*168	XDZO	13-FEB-96	16-FEB-96	<	.71	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MD5703X2	DV4W*172	XDZO	14-FEB-96	20-FEB-96	<	.71	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MX5703X2	DV4W*458	XDAP	14-FEB-96	16-FEB-96	<	.71	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MDAX04X2	DV4W*238	XDZO	15-FEB-96	16-FEB-96	<	.71	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MDAX04X2	DV4W*457	XDAP	15-FEB-96	20-FEB-96	<	.71	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MDZW11X4	DV4W*456	XDYO	14-FEB-96	16-FEB-96	<	.71	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MXZW11X4	DV4W*274	XDYO	14-FEB-96	16-FEB-96	<	.71	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MD5701X2	DV4W*455	XDZO	13-FEB-96	16-FEB-96	<	.13	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MX5701X2	DV4W*168	XDZO	13-FEB-96	16-FEB-96	<	.13	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MD5703X2	DV4W*172	XDZO	14-FEB-96	20-FEB-96	<	.13	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MX5703X2	DV4W*458	XDAP	14-FEB-96	16-FEB-96	<	.13	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MDAX04X2	DV4W*238	XDZO	15-FEB-96	16-FEB-96	<	.13	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MDAX04X2	DV4W*457	XDAP	15-FEB-96	20-FEB-96	<	.13	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MDZW11X4	DV4W*456	XDYO	14-FEB-96	16-FEB-96	<	.13	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MXZW11X4	DV4W*274	XDYO	14-FEB-96	16-FEB-96	<	.13	UGL	.0

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

SAMPLE DUPLICATES

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	<	Value	Units	RPD
VOC'S IN WATER BY GC/MS	UM20	ACET	MDZM11X4	DVAW*274	XDYO	14-FEB-96	16-FEB-96	<	13	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	ACET	MDZM11X4	DVAW*456	XDYO	14-FEB-96	16-FEB-96	<	13	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	ACROLN	MD5701X2	DVAW*455	XDZO	13-FEB-96	16-FEB-96	<	100	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	ACROLN	MD5701X2	DVAW*168	XDZO	13-FEB-96	16-FEB-96	<	100	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	ACROLN	MD5703X2	DVAW*172	XDZO	14-FEB-96	16-FEB-96	<	100	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	ACROLN	MD5703X2	DVAW*458	XDAP	14-FEB-96	20-FEB-96	<	100	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	ACROLN	MDAX04X2	DVAW*238	XDZO	15-FEB-96	16-FEB-96	<	100	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	ACROLN	MDAX04X2	DVAW*457	XDAP	15-FEB-96	20-FEB-96	<	100	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	ACROLN	MDZM11X4	DVAW*274	XDYO	14-FEB-96	16-FEB-96	<	100	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	ACROLN	MDZM11X4	DVAW*456	XDYO	14-FEB-96	16-FEB-96	<	100	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	ACRYLO	MD5701X2	DVAW*455	XDZO	13-FEB-96	16-FEB-96	<	100	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	ACRYLO	MD5701X2	DVAW*168	XDZO	13-FEB-96	16-FEB-96	<	100	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	ACRYLO	MD5703X2	DVAW*172	XDZO	14-FEB-96	16-FEB-96	<	100	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	ACRYLO	MD5703X2	DVAW*458	XDAP	14-FEB-96	20-FEB-96	<	100	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	ACRYLO	MDAX04X2	DVAW*238	XDZO	15-FEB-96	16-FEB-96	<	100	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	ACRYLO	MDAX04X2	DVAW*457	XDAP	15-FEB-96	20-FEB-96	<	100	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	ACRYLO	MDZM11X4	DVAW*274	XDYO	14-FEB-96	16-FEB-96	<	100	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	ACRYLO	MDZM11X4	DVAW*456	XDYO	14-FEB-96	16-FEB-96	<	100	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	BRDCIM	MD5701X2	DVAW*455	XDZO	13-FEB-96	16-FEB-96	<	.59	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	BRDCIM	MD5701X2	DVAW*168	XDZO	13-FEB-96	16-FEB-96	<	.59	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	BRDCIM	MD5703X2	DVAW*458	XDAP	14-FEB-96	20-FEB-96	<	.59	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	BRDCIM	MD5703X2	DVAW*172	XDZO	14-FEB-96	16-FEB-96	<	.59	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	BRDCIM	MDAX04X2	DVAW*457	XDAP	15-FEB-96	20-FEB-96	<	.59	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	BRDCIM	MDAX04X2	DVAW*238	XDZO	15-FEB-96	16-FEB-96	<	.59	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	BRDCIM	MDZM11X4	DVAW*456	XDYO	14-FEB-96	16-FEB-96	<	.59	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	BRDCIM	MDZM11X4	DVAW*274	XDYO	14-FEB-96	16-FEB-96	<	.59	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	C13DCP	MD5701X2	DVAW*455	XDZO	13-FEB-96	16-FEB-96	<	.58	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	C13DCP	MD5701X2	DVAW*168	XDZO	13-FEB-96	16-FEB-96	<	.58	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	C13DCP	MD5703X2	DVAW*458	XDAP	14-FEB-96	20-FEB-96	<	.58	UGL	.0

SAMPLE DUBLICATS

IRDMIS													
IRDMIS				IRDMIS									
Method	Test	Field	Sample	Lab	Lot	Sample	Analysis	Value	Units	RPD			
Code	Name	Number	Number	Number		Date	Date						
UN20	C13DCP	KX5703X2	DV4W*172	XDZO	14-FEB-96	16-FEB-96	<	.58	UGL	.0			
UN20	C13DCP	MDAX04X2	DV4W*457	XDAP	15-FEB-96	20-FEB-96	<	.58	UGL	.0			
UN20	C13DCP	MXXA04X2	DV4W*238	XDZO	15-FEB-96	16-FEB-96	<	.58	UGL	.0			
UN20	C13DCP	MDZW11X4	DV4W*456	XDYO	14-FEB-96	16-FEB-96	<	.58	UGL	.0			
UN20	C13DCP	MXZM11X4	DV4W*274	XDYO	14-FEB-96	16-FEB-96	<	.58	UGL	.0			
UN20	C2ABE	MD5703X2	DV4W*458	XDAP	14-FEB-96	20-FEB-96	<	20	UGL	.0			
UN20	C2ABE	KX5703X2	DV4W*172	XDZO	14-FEB-96	16-FEB-96	<	20	UGL	.0			
UN20	C2AVE	MD5701X2	DV4W*455	XDZO	13-FEB-96	16-FEB-96	<	8.3	UGL	.0			
UN20	C2AVE	KX5701X2	DV4W*168	XDZO	13-FEB-96	16-FEB-96	<	8.3	UGL	.0			
UN20	C2AVE	MD5703X2	DV4W*458	XDAP	14-FEB-96	20-FEB-96	<	8.3	UGL	.0			
UN20	C2AVE	KX5703X2	DV4W*172	XDZO	14-FEB-96	16-FEB-96	<	8.3	UGL	.0			
UN20	C2AVE	MDAX04X2	DV4W*457	XDAP	15-FEB-96	20-FEB-96	<	8.3	UGL	.0			
UN20	C2AVE	MXXA04X2	DV4W*238	XDZO	15-FEB-96	16-FEB-96	<	8.3	UGL	.0			
UN20	C2AVE	MDZW11X4	DV4W*456	XDYO	14-FEB-96	16-FEB-96	<	8.3	UGL	.0			
UN20	C2AVE	MXZM11X4	DV4W*274	XDYO	14-FEB-96	16-FEB-96	<	8.3	UGL	.0			
UN20	C2H3CL	KX5701X2	DV4W*168	XDZO	13-FEB-96	16-FEB-96	<	2.6	UGL	.0			
UN20	C2H3CL	MD5701X2	DV4W*455	XDZO	13-FEB-96	16-FEB-96	<	2.6	UGL	.0			
UN20	C2H3CL	MD5703X2	DV4W*458	XDAP	14-FEB-96	20-FEB-96	<	2.6	UGL	.0			
UN20	C2H3CL	KX5703X2	DV4W*172	XDZO	14-FEB-96	16-FEB-96	<	2.6	UGL	.0			
UN20	C2H3CL	MDAX04X2	DV4W*457	XDAP	15-FEB-96	20-FEB-96	<	2.6	UGL	.0			
UN20	C2H3CL	MXXA04X2	DV4W*238	XDZO	15-FEB-96	16-FEB-96	<	2.6	UGL	.0			
UN20	C2H3CL	MDZW11X4	DV4W*456	XDYO	14-FEB-96	16-FEB-96	<	2.6	UGL	.0			
UN20	C2H3CL	MXZM11X4	DV4W*274	XDYO	14-FEB-96	16-FEB-96	<	2.6	UGL	.0			
UN20	C2H5CL	MD5701X2	DV4W*455	XDZO	13-FEB-96	16-FEB-96	<	1.9	UGL	.0			
UN20	C2H5CL	KX5701X2	DV4W*168	XDZO	13-FEB-96	16-FEB-96	<	1.9	UGL	.0			
UN20	C2H5CL	MD5703X2	DV4W*458	XDAP	14-FEB-96	20-FEB-96	<	1.9	UGL	.0			
UN20	C2H5CL	KX5703X2	DV4W*172	XDZO	14-FEB-96	16-FEB-96	<	1.9	UGL	.0			
UN20	C2H5CL	MDAX04X2	DV4W*457	XDAP	15-FEB-96	20-FEB-96	<	1.9	UGL	.0			
UN20	C2H5CL	MXXA04X2	DV4W*238	XDZO	15-FEB-96	16-FEB-96	<	1.9	UGL	.0			

SAMPLE DUBLICATS

IRDMIS Method	Field	Test Name	IRDMIS		Lab Number	Lot	Sample Date	Analysis Date	Value	Units	RPD
			Method	Field							
UM20	VOC'S IN WATER BY GC/MS	C2H5CL	MDZW11X4	DV4W*456	XDYO	14-FEB-96	16-FEB-96	<	1.9	UGL	.0
	VOC'S IN WATER BY GC/MS	C2H5CL	MDZW11X4	DV4W*274	XDYO	14-FEB-96	16-FEB-96	<	1.9	UGL	.0
UM20	VOC'S IN WATER BY GC/MS	C6H6	MD5701X2	DV4W*455	XDZO	13-FEB-96	16-FEB-96	<	.5	UGL	.0
	VOC'S IN WATER BY GC/MS	C6H6	MD5701X2	DV4W*168	XDZO	13-FEB-96	16-FEB-96	<	.5	UGL	.0
UM20	VOC'S IN WATER BY GC/MS	C6H6	MD5703X2	DV4W*458	XDAP	14-FEB-96	20-FEB-96	<	.5	UGL	.0
	VOC'S IN WATER BY GC/MS	C6H6	MD5703X2	DV4W*172	XDZO	14-FEB-96	16-FEB-96	<	.5	UGL	.0
UM20	VOC'S IN WATER BY GC/MS	C6H6	MDAX04X2	DV4W*457	XDAP	15-FEB-96	20-FEB-96	<	.5	UGL	.0
	VOC'S IN WATER BY GC/MS	C6H6	MDAX04X2	DV4W*238	XDZO	15-FEB-96	16-FEB-96	<	.5	UGL	.0
UM20	VOC'S IN WATER BY GC/MS	C6H6	MDZW11X4	DV4W*456	XDYO	14-FEB-96	16-FEB-96	<	.5	UGL	.0
	VOC'S IN WATER BY GC/MS	C6H6	MDZW11X4	DV4W*274	XDYO	14-FEB-96	16-FEB-96	<	.5	UGL	.0
UM20	VOC'S IN WATER BY GC/MS	CCL3F	MD5701X2	DV4W*455	XDZO	13-FEB-96	16-FEB-96	<	1.4	UGL	.0
	VOC'S IN WATER BY GC/MS	CCL3F	MD5701X2	DV4W*168	XDZO	13-FEB-96	16-FEB-96	<	1.4	UGL	.0
UM20	VOC'S IN WATER BY GC/MS	CCL3F	MD5703X2	DV4W*172	XDZO	14-FEB-96	16-FEB-96	<	1.4	UGL	.0
	VOC'S IN WATER BY GC/MS	CCL3F	MD5703X2	DV4W*458	XDAP	14-FEB-96	20-FEB-96	<	1.4	UGL	.0
UM20	VOC'S IN WATER BY GC/MS	CCL3F	MDAX04X2	DV4W*238	XDAP	15-FEB-96	16-FEB-96	<	1.4	UGL	.0
	VOC'S IN WATER BY GC/MS	CCL3F	MDAX04X2	DV4W*457	XDAP	15-FEB-96	20-FEB-96	<	1.4	UGL	.0
UM20	VOC'S IN WATER BY GC/MS	CCL3F	MDZW11X4	DV4W*456	XDYO	14-FEB-96	16-FEB-96	<	1.4	UGL	.0
	VOC'S IN WATER BY GC/MS	CCL3F	MDZW11X4	DV4W*274	XDYO	14-FEB-96	16-FEB-96	<	1.4	UGL	.0
UM20	VOC'S IN WATER BY GC/MS	CCL4	MD5701X2	DV4W*168	XDZO	13-FEB-96	16-FEB-96	<	.58	UGL	.0
	VOC'S IN WATER BY GC/MS	CCL4	MD5701X2	DV4W*455	XDZO	13-FEB-96	16-FEB-96	<	.58	UGL	.0
UM20	VOC'S IN WATER BY GC/MS	CCL4	MD5703X2	DV4W*172	XDZO	14-FEB-96	16-FEB-96	<	.58	UGL	.0
	VOC'S IN WATER BY GC/MS	CCL4	MD5703X2	DV4W*458	XDAP	14-FEB-96	20-FEB-96	<	.58	UGL	.0
UM20	VOC'S IN WATER BY GC/MS	CCL4	MDAX04X2	DV4W*238	XDZO	15-FEB-96	16-FEB-96	<	.58	UGL	.0
	VOC'S IN WATER BY GC/MS	CCL4	MDAX04X2	DV4W*457	XDAP	15-FEB-96	20-FEB-96	<	.58	UGL	.0
UM20	VOC'S IN WATER BY GC/MS	CCL4	MDZW11X4	DV4W*456	XDYO	14-FEB-96	16-FEB-96	<	.58	UGL	.0
	VOC'S IN WATER BY GC/MS	CCL4	MDZW11X4	DV4W*274	XDYO	14-FEB-96	16-FEB-96	<	.58	UGL	.0
UM20	VOC'S IN WATER BY GC/MS	CH2CL2	MD5701X2	DV4W*455	XDZO	13-FEB-96	16-FEB-96	<	2.3	UGL	.0
	VOC'S IN WATER BY GC/MS	CH2CL2	MD5701X2	DV4W*168	XDZO	13-FEB-96	16-FEB-96	<	2.3	UGL	.0
UM20	VOC'S IN WATER BY GC/MS	CH2CL2	MD5703X2	DV4W*458	XDAP	14-FEB-96	20-FEB-96	<	2.3	UGL	.0
	VOC'S IN WATER BY GC/MS	CH2CL2	MD5703X2	DV4W*172	XDZO	14-FEB-96	16-FEB-96	<	2.3	UGL	.0

Group 4 Sites

SAMPLE DUPLICATES

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Analysis				RPD			
				Lab Number	Lot	Sample Date	Date		Value	Units	
VOC'S IN WATER BY GC/MS	UM20	CH2CL2	MX5703X2	DV4W*172	XDZO	14-FEB-96	16-FEB-96	<	2.3	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CH2CL2	MXAX04X2	DV4W*238	XDZO	15-FEB-96	16-FEB-96	<	2.3	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CH2CL2	MDAX04X2	DV4W*457	XDAP	15-FEB-96	20-FEB-96	<	2.3	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CH2CL2	MDZW11X4	DV4W*456	XDYO	14-FEB-96	16-FEB-96	<	2.3	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CH2CL2	MXZW11X4	DV4W*274	XDYO	14-FEB-96	16-FEB-96	<	2.3	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CH3BR	MD5701X2	DV4W*455	XDZO	13-FEB-96	16-FEB-96	<	5.8	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CH3BR	MX5701X2	DV4W*168	XDZO	13-FEB-96	16-FEB-96	<	5.8	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CH3BR	MX5703X2	DV4W*172	XDZO	14-FEB-96	16-FEB-96	<	5.8	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CH3BR	MD5703X2	DV4W*458	XDAP	14-FEB-96	20-FEB-96	<	5.8	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CH3BR	MDAX04X2	DV4W*457	XDAP	15-FEB-96	20-FEB-96	<	5.8	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CH3BR	MXAX04X2	DV4W*238	XDZO	15-FEB-96	16-FEB-96	<	5.8	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CH3BR	MDZW11X4	DV4W*456	XDYO	14-FEB-96	16-FEB-96	<	5.8	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CH3BR	MXZW11X4	DV4W*274	XDYO	14-FEB-96	16-FEB-96	<	5.8	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CH3CL	MD5701X2	DV4W*455	XDZO	13-FEB-96	16-FEB-96	<	3.2	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CH3CL	MX5701X2	DV4W*168	XDZO	13-FEB-96	16-FEB-96	<	3.2	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CH3CL	MX5703X2	DV4W*172	XDZO	14-FEB-96	16-FEB-96	<	3.2	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CH3CL	MD5703X2	DV4W*458	XDAP	14-FEB-96	20-FEB-96	<	3.2	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CH3CL	MXAX04X2	DV4W*238	XDZO	15-FEB-96	16-FEB-96	<	3.2	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CH3CL	MDAX04X2	DV4W*457	XDAP	15-FEB-96	20-FEB-96	<	3.2	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CH3CL	MXZW11X4	DV4W*274	XDYO	14-FEB-96	16-FEB-96	<	3.2	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CH3CL	MDZW11X4	DV4W*456	XDYO	14-FEB-96	16-FEB-96	<	3.2	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CHBR3	MD5701X2	DV4W*455	XDZO	13-FEB-96	16-FEB-96	<	2.6	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CHBR3	MX5701X2	DV4W*168	XDZO	13-FEB-96	16-FEB-96	<	2.6	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CHBR3	MX5703X2	DV4W*172	XDZO	14-FEB-96	16-FEB-96	<	2.6	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CHBR3	MD5703X2	DV4W*458	XDAP	14-FEB-96	20-FEB-96	<	2.6	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CHBR3	MXAX04X2	DV4W*238	XDZO	15-FEB-96	16-FEB-96	<	2.6	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CHBR3	MDAX04X2	DV4W*457	XDAP	15-FEB-96	20-FEB-96	<	2.6	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CHBR3	MXZW11X4	DV4W*274	XDYO	14-FEB-96	16-FEB-96	<	2.6	UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CHBR3	MDZW11X4	DV4W*456	XDYO	14-FEB-96	16-FEB-96	<	2.6	UGL	.0

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

SAMPLE DUPLICATES

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value	Units	RPD
VOC'S IN WATER BY GC/MS	UM20	CHCL3	MD5701X2	DV4W*455	XDZO	13-FEB-96	16-FEB-96	<	.5 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CHCL3	MX5701X2	DV4W*168	XDZO	13-FEB-96	16-FEB-96	<	.5 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CHCL3	MX5703X2	DV4W*172	XDZO	14-FEB-96	16-FEB-96	<	.5 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CHCL3	MD5703X2	DV4W*458	XDAP	14-FEB-96	20-FEB-96	<	.5 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CHCL3	MXAX04X2	DV4W*238	XDZO	15-FEB-96	16-FEB-96	<	.5 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CHCL3	MDAX04X2	DV4W*457	XDAP	15-FEB-96	20-FEB-96	<	.5 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CHCL3	MDZW11X4	DV4W*456	XDYO	14-FEB-96	16-FEB-96	<	.5 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CHCL3	MXZW11X4	DV4W*274	XDYO	14-FEB-96	16-FEB-96	<	.5 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CL2BZ	MD5701X2	DV4W*455	XDZO	13-FEB-96	16-FEB-96	<	10 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CL2BZ	MX5701X2	DV4W*168	XDZO	13-FEB-96	16-FEB-96	<	10 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CL2BZ	MX5703X2	DV4W*172	XDZO	14-FEB-96	16-FEB-96	<	10 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CL2BZ	MD5703X2	DV4W*458	XDAP	14-FEB-96	20-FEB-96	<	10 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CL2BZ	MXAX04X2	DV4W*238	XDZO	15-FEB-96	16-FEB-96	<	10 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CL2BZ	MDAX04X2	DV4W*457	XDAP	15-FEB-96	20-FEB-96	<	10 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CL2BZ	MDZW11X4	DV4W*456	XDYO	14-FEB-96	16-FEB-96	<	10 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CL2BZ	MXZW11X4	DV4W*274	XDYO	14-FEB-96	16-FEB-96	<	10 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CLC6H5	MD5701X2	DV4W*455	XDZO	13-FEB-96	16-FEB-96	<	.5 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CLC6H5	MX5701X2	DV4W*168	XDZO	13-FEB-96	16-FEB-96	<	.5 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CLC6H5	MX5703X2	DV4W*172	XDZO	14-FEB-96	16-FEB-96	<	.5 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CLC6H5	MD5703X2	DV4W*458	XDAP	14-FEB-96	20-FEB-96	<	.5 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CLC6H5	MXAX04X2	DV4W*238	XDZO	15-FEB-96	16-FEB-96	<	.5 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CLC6H5	MDAX04X2	DV4W*457	XDAP	15-FEB-96	20-FEB-96	<	.5 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CLC6H5	MDZW11X4	DV4W*456	XDYO	14-FEB-96	16-FEB-96	<	.5 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CLC6H5	MXZW11X4	DV4W*274	XDYO	14-FEB-96	16-FEB-96	<	.5 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CS2	MX5701X2	DV4W*168	XDZO	13-FEB-96	16-FEB-96	<	.5 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CS2	MD5701X2	DV4W*455	XDZO	13-FEB-96	16-FEB-96	<	.5 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CS2	MX5703X2	DV4W*172	XDZO	14-FEB-96	16-FEB-96	<	.5 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CS2	MD5703X2	DV4W*458	XDAP	14-FEB-96	20-FEB-96	<	.5 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CS2	MXAX04X2	DV4W*238	XDZO	15-FEB-96	16-FEB-96	<	.5 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CS2	MDAX04X2	DV4W*457	XDAP	15-FEB-96	20-FEB-96	<	.5 UGL	.0

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

SAMPLE DUPLICATES

Method Description	IPDMIS Method Code	Test Name	IPDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value	Units	RPD
VOC'S IN WATER BY GC/MS	UM20	CS2	MD2W11X4	DV4W*456	XDYO	14-FEB-96	16-FEB-96	<	.5 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	CS2	MX2W11X4	DV4W*274	XDYO	14-FEB-96	16-FEB-96	<	.5 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	DBRCLM	MD5701X2	DV4W*455	XDZO	13-FEB-96	16-FEB-96	<	.67 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	DBRCLM	MX5701X2	DV4W*168	XDZO	13-FEB-96	16-FEB-96	<	.67 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	DBRCLM	MX5703X2	DV4W*172	XDZO	14-FEB-96	16-FEB-96	<	.67 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	DBRCLM	MD5703X2	DV4W*458	XDAP	14-FEB-96	20-FEB-96	<	.67 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	DBRCLM	MXAX04X2	DV4W*238	XDZO	15-FEB-96	16-FEB-96	<	.67 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	DBRCLM	MDAX04X2	DV4W*457	XDAP	15-FEB-96	20-FEB-96	<	.67 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	DBRCLM	MD2W11X4	DV4W*456	XDYO	14-FEB-96	16-FEB-96	<	.67 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	DBRCLM	MX2W11X4	DV4W*274	XDYO	14-FEB-96	16-FEB-96	<	.67 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	ETC6H5	MD5701X2	DV4W*455	XDZO	13-FEB-96	16-FEB-96	<	.5 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	ETC6H5	MX5701X2	DV4W*168	XDZO	13-FEB-96	16-FEB-96	<	.5 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	ETC6H5	MX5703X2	DV4W*172	XDZO	14-FEB-96	16-FEB-96	<	1.9 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	ETC6H5	MD5703X2	DV4W*458	XDAP	14-FEB-96	20-FEB-96	<	1.9 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	ETC6H5	MXAX04X2	DV4W*238	XDZO	15-FEB-96	16-FEB-96	<	.5 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	ETC6H5	MDAX04X2	DV4W*457	XDAP	15-FEB-96	20-FEB-96	<	.5 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	ETC6H5	MD2W11X4	DV4W*456	XDYO	14-FEB-96	16-FEB-96	<	.5 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	ETC6H5	MX2W11X4	DV4W*274	XDYO	14-FEB-96	16-FEB-96	<	.5 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MEC6H5	MX5701X2	DV4W*168	XDZO	13-FEB-96	16-FEB-96	<	1.2 UGL	82.4
VOC'S IN WATER BY GC/MS	UM20	MEC6H5	MD5701X2	DV4W*455	XDZO	13-FEB-96	16-FEB-96	<	.5 UGL	82.4
VOC'S IN WATER BY GC/MS	UM20	MEC6H5	MX5703X2	DV4W*172	XDZO	14-FEB-96	16-FEB-96	<	1.9 UGL	5.4
VOC'S IN WATER BY GC/MS	UM20	MEC6H5	MD5703X2	DV4W*458	XDAP	14-FEB-96	20-FEB-96	<	1.8 UGL	5.4
VOC'S IN WATER BY GC/MS	UM20	MEC6H5	MXAX04X2	DV4W*238	XDZO	15-FEB-96	16-FEB-96	<	.5 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MEC6H5	MDAX04X2	DV4W*457	XDAP	15-FEB-96	20-FEB-96	<	.5 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MEC6H5	MD2W11X4	DV4W*456	XDYO	14-FEB-96	16-FEB-96	<	.5 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MEC6H5	MX2W11X4	DV4W*274	XDYO	14-FEB-96	16-FEB-96	<	.5 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MEK	MX5701X2	DV4W*168	XDZO	13-FEB-96	16-FEB-96	<	6.4 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MEK	MD5701X2	DV4W*455	XDZO	13-FEB-96	16-FEB-96	<	6.4 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	MEK	MX5703X2	DV4W*172	XDZO	14-FEB-96	16-FEB-96	<	6.4 UGL	.0

SAMPLE DUPLICATES

IRDMIS			IRDMIS			IRDMIS			IRDMIS		
Method	Field	Test	Sample	Lab	Lot	Sample	Analysis	Value	Units	RPD	
Code	Description	Name	Number	Number	Lot	Date	Date				
UN20	VOC'S IN WATER BY GC/MS	MEK	MD5703X2	DV4N*458	XDAP	14-FEB-96	20-FEB-96	<	6.4	UGL	
UN20	VOC'S IN WATER BY GC/MS	MEK	MXAX04X2	DV4N*238	XDZO	15-FEB-96	16-FEB-96	<	6.4	UGL	
UN20	VOC'S IN WATER BY GC/MS	MEK	MDAX04X2	DV4N*457	XDAP	15-FEB-96	20-FEB-96	<	6.4	UGL	
UN20	VOC'S IN WATER BY GC/MS	MEK	MXZM11X4	DV4N*274	XDYO	14-FEB-96	16-FEB-96	<	6.4	UGL	
UN20	VOC'S IN WATER BY GC/MS	MEK	MDZW11X4	DV4N*456	XDYO	14-FEB-96	16-FEB-96	<	6.4	UGL	
UN20	VOC'S IN WATER BY GC/MS	MIBK	MD5701X2	DV4N*455	XDZO	13-FEB-96	16-FEB-96	<	3	UGL	
UN20	VOC'S IN WATER BY GC/MS	MIBK	MX5701X2	DV4N*168	XDZO	13-FEB-96	16-FEB-96	<	3	UGL	
UN20	VOC'S IN WATER BY GC/MS	MIBK	MX5703X2	DV4N*172	XDZO	14-FEB-96	20-FEB-96	<	3	UGL	
UN20	VOC'S IN WATER BY GC/MS	MIBK	MD5703X2	DV4N*458	XDAP	14-FEB-96	20-FEB-96	<	3	UGL	
UN20	VOC'S IN WATER BY GC/MS	MIBK	MXAX04X2	DV4N*238	XDZO	15-FEB-96	16-FEB-96	<	3	UGL	
UN20	VOC'S IN WATER BY GC/MS	MIBK	MDAX04X2	DV4N*457	XDAP	15-FEB-96	20-FEB-96	<	3	UGL	
UN20	VOC'S IN WATER BY GC/MS	MIBK	MXZM11X4	DV4N*274	XDYO	14-FEB-96	16-FEB-96	<	3	UGL	
UN20	VOC'S IN WATER BY GC/MS	MIBK	MDZW11X4	DV4N*456	XDYO	14-FEB-96	16-FEB-96	<	3	UGL	
UN20	VOC'S IN WATER BY GC/MS	MNEK	MD5701X2	DV4N*455	XDZO	13-FEB-96	16-FEB-96	<	3.6	UGL	
UN20	VOC'S IN WATER BY GC/MS	MNEK	MX5701X2	DV4N*168	XDZO	13-FEB-96	16-FEB-96	<	3.6	UGL	
UN20	VOC'S IN WATER BY GC/MS	MNEK	MX5703X2	DV4N*172	XDZO	14-FEB-96	20-FEB-96	<	3.6	UGL	
UN20	VOC'S IN WATER BY GC/MS	MNEK	MD5703X2	DV4N*458	XDAP	14-FEB-96	20-FEB-96	<	3.6	UGL	
UN20	VOC'S IN WATER BY GC/MS	MNEK	MXAX04X2	DV4N*238	XDZO	15-FEB-96	16-FEB-96	<	3.6	UGL	
UN20	VOC'S IN WATER BY GC/MS	MNEK	MDAX04X2	DV4N*457	XDAP	15-FEB-96	20-FEB-96	<	3.6	UGL	
UN20	VOC'S IN WATER BY GC/MS	MNEK	MXZM11X4	DV4N*274	XDYO	14-FEB-96	16-FEB-96	<	3.6	UGL	
UN20	VOC'S IN WATER BY GC/MS	MNEK	MDZW11X4	DV4N*456	XDYO	14-FEB-96	16-FEB-96	<	3.6	UGL	
UN20	VOC'S IN WATER BY GC/MS	STYR	MD5701X2	DV4N*455	XDZO	13-FEB-96	16-FEB-96	<	.5	UGL	
UN20	VOC'S IN WATER BY GC/MS	STYR	MX5701X2	DV4N*168	XDZO	13-FEB-96	16-FEB-96	<	.5	UGL	
UN20	VOC'S IN WATER BY GC/MS	STYR	MX5703X2	DV4N*172	XDZO	14-FEB-96	20-FEB-96	<	.5	UGL	
UN20	VOC'S IN WATER BY GC/MS	STYR	MD5703X2	DV4N*458	XDAP	14-FEB-96	20-FEB-96	<	.5	UGL	
UN20	VOC'S IN WATER BY GC/MS	STYR	MXAX04X2	DV4N*238	XDZO	15-FEB-96	16-FEB-96	<	.5	UGL	
UN20	VOC'S IN WATER BY GC/MS	STYR	MDAX04X2	DV4N*457	XDAP	15-FEB-96	20-FEB-96	<	.5	UGL	
UN20	VOC'S IN WATER BY GC/MS	STYR	MXZM11X4	DV4N*274	XDYO	14-FEB-96	16-FEB-96	<	.5	UGL	
UN20	VOC'S IN WATER BY GC/MS	STYR	MDZW11X4	DV4N*456	XDYO	14-FEB-96	16-FEB-96	<	.5	UGL	

Chemical Quality Control Report
Installation: Fort Devens, MA (DV)
Group 4 Sites

SAMPLE DUPLICATES

Method Description	IRDMIS Method Code	Test Name	IRDMIS Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value	Units	RPD
VOC'S IN WATER BY GC/MS	UM20	TL3DCP	MD5701X2	DV4W*455	XDZO	13-FEB-96	16-FEB-96	<	.7 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	TL3DCP	MX5701X2	DV4W*168	XDZO	13-FEB-96	16-FEB-96	<	.7 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	TL3DCP	MX5703X2	DV4W*172	XDZO	14-FEB-96	16-FEB-96	<	.7 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	TL3DCP	MD5703X2	DV4W*458	XDAP	14-FEB-96	20-FEB-96	<	.7 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	TL3DCP	MXAX04X2	DV4W*238	XDZO	15-FEB-96	16-FEB-96	<	.7 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	TL3DCP	MDAX04X2	DV4W*457	XDAP	15-FEB-96	20-FEB-96	<	.7 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	TL3DCP	MDZW11X4	DV4W*456	XDYO	14-FEB-96	16-FEB-96	<	.7 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	TL3DCP	MXZW11X4	DV4W*274	XDYO	14-FEB-96	16-FEB-96	<	.7 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	TCLEA	MD5701X2	DV4W*455	XDZO	13-FEB-96	16-FEB-96	<	.51 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	TCLEA	MX5701X2	DV4W*168	XDZO	13-FEB-96	16-FEB-96	<	.51 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	TCLEA	MX5703X2	DV4W*172	XDZO	14-FEB-96	16-FEB-96	<	.51 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	TCLEA	MD5703X2	DV4W*458	XDAP	14-FEB-96	20-FEB-96	<	.51 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	TCLEA	MDAX04X2	DV4W*457	XDAP	15-FEB-96	20-FEB-96	<	.51 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	TCLEA	MXAX04X2	DV4W*238	XDZO	15-FEB-96	16-FEB-96	<	.51 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	TCLEA	MDZW11X4	DV4W*456	XDYO	14-FEB-96	16-FEB-96	<	.51 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	TCLEA	MXZW11X4	DV4W*274	XDYO	14-FEB-96	16-FEB-96	<	.51 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	TCLEB	MD5701X2	DV4W*455	XDZO	13-FEB-96	16-FEB-96	<	1.6 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	TCLEB	MX5701X2	DV4W*168	XDZO	13-FEB-96	16-FEB-96	<	1.6 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	TCLEB	MX5703X2	DV4W*172	XDZO	14-FEB-96	16-FEB-96	<	1.6 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	TCLEB	MD5703X2	DV4W*458	XDAP	14-FEB-96	20-FEB-96	<	1.6 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	TCLEB	MDAX04X2	DV4W*238	XDZO	15-FEB-96	16-FEB-96	<	1.6 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	TCLEB	MDAX04X2	DV4W*457	XDAP	15-FEB-96	20-FEB-96	<	1.6 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	TCLEB	MDZW11X4	DV4W*456	XDYO	14-FEB-96	16-FEB-96	<	1.6 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	TCLEB	MXZW11X4	DV4W*274	XDYO	14-FEB-96	16-FEB-96	<	1.6 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	TRCLE	MD5701X2	DV4W*455	XDZO	13-FEB-96	16-FEB-96	<	.5 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	TRCLE	MX5701X2	DV4W*168	XDZO	13-FEB-96	16-FEB-96	<	.5 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	TRCLE	MX5703X2	DV4W*172	XDZO	14-FEB-96	16-FEB-96	<	.5 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	TRCLE	MD5703X2	DV4W*458	XDAP	14-FEB-96	20-FEB-96	<	.5 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	TRCLE	MDAX04X2	DV4W*238	XDZO	15-FEB-96	16-FEB-96	<	.5 UGL	.0
VOC'S IN WATER BY GC/MS	UM20	TRCLE	MDAX04X2	DV4W*457	XDAP	15-FEB-96	20-FEB-96	<	.5 UGL	.0

SAMPLE DUPLICATES

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SQL> spool off;
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TABLE D-21
FIELD DUPLICATES FOR GROUNDWATER SAMPLES
WITH ELEMENTS EXCEEDING PRECISION CRITERIA

1995 AOC 57, 63AX, 69W REMEDIAL INVESTIGATION
FORT DEVENS, MASSACHUSETTS

ELEMENT	FREQUENCY RPD EXCEEDED	RPD RANGE
Total Metals		
Arsenic ²	1/4	42.4
Iron ²	1/4	45
Dissolved Metals		
Barium ²	1/4	123.9

² = Data collected during the Round 2 Groundwater sampling event.

TABLE D-22
FIELD DUPLICATES FOR SOIL AND SEDIMENT SAMPLES
WITH ELEMENTS EXCEEDING PRECISION CRITERIA

1995 AOC 57, 63AX, 69W REMEDIAL INVESTIGATION
FORT DEVENS, MASSACHUSETTS

ELEMENT	FREQUENCY RPD EXCEEDED	RPD RANGE
Soil		
Arsenic	1/3	52.4
Potassium	1/3	77.6
Sediment		
Mercury	1/2	138.1
Manganese	1/2	99.5
Sodium	1/2	178.7
Zinc	1/2	114.1

TABLE D-23
USEPA CLP SPIKE PRECISION CRITERIA FOR PESTICIDES

1995 AOC 57, 63AX, 69W REMEDIAL INVESTIGATION
FORT DEVENS, MASSACHUSETTS

SPIKE COMPOUND	RPD LIMITS FOR WATER	RPD LIMITS FOR SOIL
Lindane (gamma-BHC)	15	50
Heptachlor	20	31
Aldrin	22	43
Dieldrin	18	38
Endrin	21	45
4,4-DDT	27	50

1993 AOC 57, 63AX, 69W REMEDIAL INVESTIGATION
FORT DEVENS, MA

NOTES:

Reported RPD = 0 because the reported detection was below the reporting limit of comparison sample.
 Not detected above analytes detection limit.
 Not applicable
 Reported concentration greater than instrument calibration range
 Result obtained from a dilution of the original sample
 Reported concentration is an estimated value
 Total Petroleum Hydrocarbons
 Detection of 1,1-DCE identified as possible laboratory contamination by field chemist at the time of analysis.

1996 ON-SITE LABORATORY DATA

Harding Lawson Associates

APPENDIX D-2
QUALITY CONTROL SUMMARY REPORT
1996 ON-SITE ANALYTICAL PROGRAM

AOCs 69W, 61Z, 50 and 57

DL0 INTRODUCTION

The purpose of this Quality Control Summary Report (CQSR) is to present evaluations of quality control (QC) measurements made during the 1996 on-site laboratory analyses and to evaluate data precision and accuracy. Dates of on-site analysis are from June 17 through November 6, 1996. The on-site laboratory provided field screening for AOCs 69W, 61Z, 50 and 57. Soil and water samples were analyzed for target volatile organic compounds and petroleum hydrocarbons at Ft Devens, Ayer, Massachusetts.

D2.0 ANALYTICAL METHODS

The data quality objectives and general descriptions of on-site methodologies for the investigations are presented in the Fort Devens Project Operation Plan (ABB-ES, 1995). On-site analytical procedures used during the investigations included purge and trap USEPA Method 5030A and modified USEPA Method 8021A for volatile organic compounds (VOCs) (USEPA, 1995) and the modified Massachusetts hydrocarbon methods for extractable petroleum hydrocarbons (EPH) and volatile petroleum hydrocarbons (VPH) (MADEP, 1995a; MADEP, 1995b). Total Recoverable Petroleum Hydrocarbons (TPHC) in soils will be quantified with an infrared spectrophotometer using modified USEPA Method 418.1 (USEPA, 1983). Descriptions of the 1996 analytical methods, and any modifications to procedures in the QAPjP incorporated into the 1996 field investigations are presented in Attachment 1.

D2.1 MDL Study for EPH/VPH/VOCs Analysis:

Prior to sample analysis a Method Detection Limit (MDL) study was performed for EPH, VPH, and VOCs target compounds.

Based on the extraction and analysis of seven spiked samples, the EPH MDL for soil analysis was determined to be 18 mg/Kg. For purposes of this project the reporting limit (RL) has been determined to be 100 mg/Kg. Only concentrations greater than 100 mg/kg are reported. Sample quantitation limits (SQLs) consisting of the reporting limits adjusted for sample volume, percent moisture, and dilution factor are reported for non detects. The results of the EPH MDL study are listed in *Table D2-1*.

Based on a methanol extraction and analysis of seven spiked samples, the VPH MDL for soil analysis was determined to be 0.57 mg/Kg. The reporting limit was established to be 6.3 mg/Kg. Only concentrations greater than 6.3 mg/kg are reported. Sample quantitation limits (SQLs) consisting of the reporting limits adjusted for sample volume, percent moisture, and dilution factor are reported for non detects. The results of the VPH MDL study are listed in *Table D2-1*.

Based on the analysis of seven spiked samples, an initial VOC MDL for soil and aqueous analysis was determined and reported in *Table D2-1*. The reporting limits were established to be 2.0 µg/L for all target analytes (m/p-Xylene is 4.0 µg/L). Only concentrations greater than 2.0 µg/L (m/p-Xylene is 4.0 µg/L) are reported. Sample quantitation limits (SQLs) consisting of the reporting limits adjusted for sample volume, percent moisture, and dilution factor are reported for non detects.

A second VOC MDL was made when a second field effort phase commenced in mid-summer. Based on the analysis of seven spiked samples, the second VOC MDL for soil and aqueous analysis was determined and reported in *Table D2-1*. The reporting limit was established to be 1.0 µg/L for all target analytes (m/p-Xylene is 2.0 µg/L). Only concentrations greater than 1.0 µg/L (m/p-Xylene is 2.0 µg/L) are reported. Sample quantitation limits (SQLs) consisting of the reporting limits adjusted for sample volume, percent moisture, and dilution factor are reported for non detects.

D2.2 REPORTING LIMITS AND INSTRUMENT CALIBRATION

The calibration range for each instrument includes an initial calibration standard at the reporting limit. EPH instrument calibration ranged from 50 mg/Kg through 150 mg/Kg with a reporting limit of 50 mg/Kg. VPH instrument calibration ranged from 6.3 mg/Kg through 19 mg/Kg with a reporting limit of 6.3 mg/Kg. Initial VOC instrument calibration ranged from 1.0 µg/L through 100 µg/L. The second phase VOC instrument calibration ranged from 1.0 µg/L through 20 µg/L. Each instrument calibration range is recorded in the laboratory logbooks and saved electronically for future reference.

D3.0 QUALITY CONTROL BLANK SUMMARY

Routine QC blanks analyzed in the field laboratory include instrument blanks, equipment rinse blanks (pump blanks and bailer blanks) and method blanks.

D3.1 Instrument Blanks:

Instrument blanks were run for the EPH and TPHC analyses. Instrument blanks consisted of clean extraction solvent analyzed directly on the instrument to determine background response

for the instrument. No instrument contamination was identified through instrument blank analysis.

D3.2 Method Blanks:

Method blanks were run for EPH/VPH/VOC and TPHC analyses after initial and continuing calibrations with a minimum of one blank per day of analysis to evaluate the potential for sample contamination during sample preparation and analysis at the on-site laboratory. EPH and TPHC soil method blanks were extracted daily with each extraction batch using the same procedures as samples. VPH soil method blanks were purged and analyzed solutions of analyte free water, methanol and surrogate. VOC method blanks were purged and analyzed solutions of analyte free water and surrogate (methanol was added for soil method blanks).

Method blank data indicate that method contamination did not result in false positive identification of EPH, VPH, or TPHC results during sample analysis. No method blanks had EPH, VPH or TPHC detected at concentrations greater than the reporting limits.

VOC method blanks were analyzed each day using the same procedure as samples. The VOC soil method blank analyzed on 8/29/96 had a detection of chloroform greater than the reporting limit at 390 mg/Kg. Soil samples (RF571509 and RF571603) from AOC 57 associated with this method blank were qualified (B) indicating the results may represent laboratory contamination. The VOC method blank analyzed on 11/01/96 had a detection of naphthalene greater than the reporting limit at 3.2 µg/Kg. Naphthalene was not detected in associated samples, and no samples associated with this method blank were qualified (B). With the exception of the VOC samples discussed above, VOC data indicate that no other laboratory contamination introduced during sample preparation and analysis.

D3.3 Equipment Rinseate Blanks:

Equipment rinse blanks (pump blanks and bailer blanks) were collected periodically and analyzed for VOCs. Rinse blanks were collected at a minimum of one per twenty samples as specified in the POP. Five bailer blanks were collected and analyzed with two blanks exhibiting low levels of toluene (2.5 µg/L and 2.1 µg/L). Samples associated with these blanks contained no toluene detections.

D4.0 DATA ACCURACY AND PRECISION

The accuracy and precision of laboratory and field sampling methodologies was evaluated using matrix spike/ matrix spike duplicate (MS/MSD), matrix spike (MS), field duplicate analyses, and surrogate spikes as outlined below:

- EPH/VPH utilized MS/MSD and surrogate percent recovery (%R) goals of 50% - 150% and MS/MSD relative percent difference (RPD) goals of less than 30%.
- Duplicate analyses were also utilized with RPD goals of less than 50% for soil samples.
- TPHC analyses utilized a single MS sample with a %R goal of 50% to 150%; duplicate analyses were also utilized with RPD goals of less than 50% for soil samples.
- VOC analyses utilized MS/MSD and surrogate percent recovery (%R) goals of 50% - 150% and a MS/MSD RPD goal of less than 30%.
- Field duplicate analyses were also utilized with RPD goals of less than 30% for aqueous samples and less than 50% for soil samples.

Field duplicates, matrix spikes and matrix spike/matrix spike duplicate collection frequency goal was five percent for the program.

D4.1 Matrix Spikes:

EPH. Three samples were collected as matrix spike/matrix spike duplicates (this represented a frequency of 5 percent). The samples were spiked at a mid-point of the calibration curve (100 mg/Kg). The data are tabulated in Table D4-1. MS/MSD recoveries for two calculated spike samples ranged from 43% to 54%. The RPDs for the sample sets were 15% and 18%. One MS/MSD data set was not analyzed due to operator failure to spike the sample with the MS/MSD spiking solution. Although two of four recoveries were outside the desired recovery range the RPD results were well below the 30% goal, indicating good precision. These results indicate a possible low bias shown by the MS/MSD recoveries. Sample results are usable as estimated values with a possible low bias by a factor of two.

VPH. Two samples were analyzed as matrix spike/matrix spike duplicates. This represented a 3.3 percent frequency. Both samples were spiked at a mid-point of the calibration curve (12.5 mg/Kg). The data is tabulated in Table D4-1. MS/MSD recoveries for the two spiked samples ranged from 57% to 91%. The RPDs for the samples sets were 3.4% and 10%. The established goals were partially met for this data set, however, the RPDs calculated are well below the established goal of 30% indicating excellent accuracy and precision.

TPHC. Nine samples were analyzed as matrix spikes. This represents an 8.1 percent frequency. The samples were spiked at a mid-point of the calibration curve (2500 mg/Kg). The data is tabulated in Table D4-1. Results for TPHC in two samples exceeded the calibration range of the instrument and no MS results were obtained. MS/MSD recoveries for the other seven spiked samples ranged from 88% to 162%. Two MS recoveries were not calculated due to original sample concentrations above the instrument calibration range. One

recovery exceeded the recovery goal of 150%. Eighty six percent of this data set met the established goals indicating good accuracy and precision.

VOC. Twenty one samples were analyzed as matrix spike/matrix spike duplicates. This represents a 4.7 percent frequency. The data is tabulated in Table D4-2. The samples were spiked at a mid-point of the calibration curve (see Table D4-2 to find specific spike concentrations). Ninety eight percent of the spike recoveries met the goal range of 50% to 150% recovery. Ninety eight percent of the RPDs met the goal of 30% or less. The established goals were met for this data set indicating excellent accuracy and precision.

D4.2 Field Duplicates:

Field duplicate samples were collected at a rate of approximately 5 percent of the samples during the field sampling effort and submitted to the field laboratory for analysis. Relative percent difference goals of less than 30% for aqueous sample analysis and less than 50% for soil analysis were outlined for the project.

EPH. Four samples were collected and analyzed as field duplicates (this represented a frequency of 6.7 percent). The results of the EPH field duplicate samples are listed in Table D4-3. The results of all sample sets were non-detects. In general, field duplicate results indicate good precision of measurement was obtained for the EPH sample analyses. These results indicated agreement for absence of EPH, however, evaluation of precision for positive detection of EPH was not possible.

VPH. Four samples were collected and analyzed as field duplicates (this represented a frequency of 6.7 percent). The results of the VPH field duplicate samples are listed in Table D4-3. The results of all sample sets were non-detects. These results indicated agreement for absence of VPH, however, evaluation of precision for positive detection of VPH was not possible.

TPHC. Fourteen samples were collected and analyzed as field duplicates (this represented a frequency of 13 percent). The results of the TPHC field duplicate samples are listed in Table D4-3. The RPDs of three sample duplicate sets were calculated and ranged from 0.0% to 33%. Seven results were non-detects for both samples. Four sample duplicate sets had a non-detect for one of the samples in the duplicate pair with a positive detection at the reporting limit in the associated duplicate. In general field duplicate results indicate good accuracy and precision of measurement was obtained for the TPHC sample analyses, however, variability of the TPHC measurement at the reporting limit are apparent. These results indicate detection limits and low concentration positive detections are estimated values.

VOC. Thirty nine samples were collected and analyzed as field duplicates (this represented a frequency of 8.7 percent). The results of the VOC field duplicates are listed in Table D4-4.

The results of the duplicate sample sets (seventeen soil samples and twenty two aqueous samples) were evaluated and RPDs calculated.

Eight soil RPDs were calculated and seven exceeded the 50% goal. Five of the seven were duplicate sets that exceeded the goal included a detection one sample and the duplicate did not (200% RPD). Two of these five results were chloroform. Chloroform was identified as a possible laboratory contaminant in Subsection D3.2. One of the results is qualified "B" indicating the sample was associated with a contaminated method blank. The differences in the field duplicate results are interpreted to be related to laboratory contamination. The three other results included o-xylene and naphthalene with positive and non-detect results in samples RF571010, EF573106, and RF571603. In all cases reported detections were only 2 to 3 times the reporting limits. These results demonstrate variability of xylenes and naphthalene at or near, the reporting limit. The remaining field duplicate results included detections of TCE, PCE, and cis-1,2-dichloroethene in samples BXG613B29 and BX502025. Although two of three results had RPDs greater than 50, these results showed good agreement with the presence of target compounds and the relative concentrations reported. The field duplicate data indicate that all soil VOC results should be considered estimated.

Nineteen aqueous RPDs were calculated and two exceeded the goal of 30. These results indicate good accuracy and precision of measurement was obtained for the aqueous VOC sample analyses.

D4.3 Surrogate Recoveries:

Surrogates were added to each EPH, VPH and VOC sample to monitor the efficiency of the measurement and possible matrix effects on recovery of target analytes. Surrogate recovery goals of greater than or equal to 50% were established for the project. Sample results associated with surrogate recoveries below the goal are reported with an "S" qualifier.

EPH. All samples submitted for EPH analysis were spiked, prior to the extraction step, with naphthalene or σ -terphenyl as a surrogate. The surrogate recoveries were recorded and used to determine accuracy of each sample analysis. No EPH samples had surrogate percent recoveries below the goal of 50%. Surrogate recoveries ranged from 75% to 160% with the mean equal to 98%, indicating good recoveries were obtained during the program. Upper and lower control limits (mean ± 3 standard deviations) were 144 and 53 respectively.

VPH. All samples submitted for VPH analysis were spiked, prior to the methanol extraction step, with 2,5-dibromotoluene as a surrogate. The surrogate recoveries were recorded and used to determine accuracy of each sample analysis. Surrogate goals were a minimum of 50% recovery. Sample results associated with surrogate recoveries below the goal are reported with an "S" qualifier. Sample BX610215XF had a 45% surrogate recovery and was qualified 'S'. Sample BXBD0227XF had a 174% surrogate recovery and was qualified 'S'. With the

exception of sample BXBD0227XF, surrogate recoveries ranged from 59% to 149% with the mean equal to 101%, indicating good recoveries were generally obtained during the program. Upper and lower control limits (mean ± 3 standard deviations) were 178 and 24 respectively.

VOC. All samples submitted for modified USEPA Method 8021 analysis were spiked prior to analysis with 4-Bromofluorobenzene. The surrogate recoveries were recorded and used to determine the accuracy of each sample analysis. Surrogate goal was a minimum of 50% recovery. Soil surrogate recoveries ranged from 58% to 138% with the mean equal to 104%. Upper and lower soil control limits (mean ± 3 standard deviations) were 158 and 50 respectively. Aqueous surrogate recoveries ranged from 63% to 166% with the mean equal to 103%, indicating good recoveries were generally obtained during the program. Upper and lower aqueous control limits (mean ± 3 standard deviations) were 149 and 57 respectively. All samples had surrogate recoveries above the goal and no VOC results were qualified.

D4.4 Data Qualification:

The on-site analytical data was qualified as needed during the field program. A secondary review was made after the laboratory was dismantled and the database reviewed for any further qualification. The qualifiers in each case were applied through guidance found in the ABB SOP: purge and trap field chromatography, 1995.

B qualifier is added to values as evidence of method blank contamination.

E qualifier is added to values that exceed the calibration range of the instrument.

S qualifier is added to values that exceed surrogate acceptance range requirements.

D5.0 ON-SITE/OFF-SITE LABORATORY SPLIT SAMPLE DATA COMPARISON

This section discusses the results of a split samples collected during the 1996 AOC 50, 57, 612, and 69W Remedial Investigations at Fort Devens, Massachusetts. The soil samples were split in the field and submitted for on-site and off-site volatile analysis (14 samples), EPH/VPH (7 samples), and petroleum hydrocarbons by 418.1 (22 samples). The purpose of collection of the split samples is to provide a comparison of the on-site data with the associated off-site data, in order to evaluate data quality and establish the on-site results as screening data with definitive confirmation (USEPA, 1993).

D.5.1 ANALYTICAL METHODOLOGIES

The on-site field screening target compound data were evaluated using the USAEC off-site analytical GC/mass spectrometry (MS) method for VOCs and SVOCs. Dichlorobenzenes and naphthalene off-site data were taken from the SVOC analyses. Off-

site TPH results were generated using USEPA Method 9071 to extract samples followed by analysis using USEPA Method 418.1 (USEPA, 1983; USEPA, 1986). EPH and VPH results were obtained using methods developed by the MADEP (MEDEP, 1995a; MEDEP, 1995b).

D.5.3 PROGRAM OBJECTIVES

The objectives of the on-site soil field screening analytical program were to evaluate the downgradient, lateral, and vertical distribution of contamination in overburden soil, and identify critical samples for off-site laboratory analysis. For the purpose of this on-site/off-site data comparison action levels to evaluate the data sets were based on Category S-1 soils cleanup criteria outlined in the Massachusetts Contingency Plan (MCP) (MADEP, 1995c). A summary of target compound action levels for each target compound evaluated using the on-site methods is outlined below:

	<u>Action Level (µg/g)</u>
Benzene	10
Toluene	90
Ethylbenzene	80
Total Xylenes	500
Chlorobenzene	8
1,1-Dichloroethene	0.3
1,2-Dichloroethene	2
Chloroform	0.1
1,1,1-Trichloroethane	30
Carbon Tetrachloride	1
Trichloroethene	0.4
Tetrachloroethene	0.5
TPH	500
Dichlorobenzene (each isomer)	100
Naphthalene	4
Vinyl Chloride	0.3

D.5.4 DATA COMPARISON AND EVALUATION

Comparability of the data was evaluated using two separate comparisons outlined in Section 4.6 of the POP (ABB-ES, 1995). The first comparison evaluates agreement based on detection of analytes relative to action levels. The second comparison evaluates data based on relative percent differences (RPDs) between split samples. Results of the on-site/off-site analyses are summarized on Table D-5-1, Table D-5-2, and Table D-5-3 for EPH/VPH, TPHC, and VOCs, respectively.

Comparison 1

In this comparison on-site and off-site results were organized into one of the four categories described below:

1. Both on-site and off-site analyses had the target compounds detected/non-detected at concentrations less than the action levels.
2. Both on-site and off-site analyses had the target analytes detected at concentrations greater than action levels.
3. The target compounds were reported above action levels for on-site and the off-site data results were less than action levels.
4. The target compounds were reported above the action level off-site and the on-site results were less than the action levels.

A primary assumption of the comparison was that the off-site data represented the accurate definitive data when comparing results. Sample data which fall within categories 1 and 2 represent agreement between on-site and off-site analytical results. Sample data in category 3 suggested a high bias in the on-site results. Sample data in category 4 suggest a low bias in on-site results. The analytical goal of the program was to have over 95 percent of the results fall into categories 1, 2 and 3.

EPH/VPH

EPH/VPH split sample results are presented in Table D5-1. With the exception of VPH reported by the off-site laboratory in sample BXBD0123, results were reported as non-detect by both the on-site and off-site laboratory. All results were less than the 500 mg/g action level indicating good agreement on hydrocarbon levels relative to the MCP soil criteria.

TPHC. The results of 21 of 22 (95.5%) split sample analysis fell into Category 1 and Category 2 indicating good agreement for the on-site and off-site analyses relative to action levels for fuel hydrocarbons. These data indicate that the on-site data are adequate for the evaluation of the distribution of hydrocarbons at the 500 mg/g action levels.

VOCs. The detection of target VOCs by the on-site laboratory relative to action levels was confirmed by the off-site laboratory. All but one soil sample results fell within Category 1. The one exception was BF570705, where one target compound (Naphthalene) fell into Category 3. Overall, these results indicate good comparison of on-site and off-site results relative to MCP soil cleanup goals and that the goals of the action level comparison were met.

Comparison 2

For the second comparison, relative percent difference (RPD) values were calculated for associated on-site/off-site surface soil samples. Calculation of RPD is outlined in the POP (ABB-ES, 1995). RPD values were compared to USEPA Region I soil field duplicate criteria of 50%. No comparison was conducted for the VPH/EPH results because no comparative positive detections were available.

VOCs

The majority of results were non-detects in both the on-site and off-site laboratory indicating consistent agreement with the absence of contamination for VOCs. Approximately half the positive detections were low concentrations of VOCs reported in the off-site laboratory at concentrations below the reporting limit of on-site split sample. These results at low concentrations are not interpreted to impact use of field screening results.

In the remaining samples, concentrations of VOCs reported for the on-site screening analysis are consistently greater than concentrations reported in the off-site analysis. Example of these results can be seen in samples BF570700 for naphthalene, BF570705 for ethylbenzene, xylenes, and naphthalene, and BF573006 for ethylbenzene and naphthalene. These results indicate a possible high bias of on-site results. In the above samples high concentrations of TPH were detected indicating the presence of fuel contamination at the sample locations. The on-site method for VOCs utilized a single column GC/PID analysis for BTEX and naphthalene with no second column confirmation. It is highly likely that compound concentrations were over estimated due to interference from non-target fuel hydrocarbons. The off-site analysis was conducted using GC/MS confirmation of target analytes so interference from non-target hydrocarbon would not result in quantitative interferences or false positive identification of compounds.

It is important to note that evidence had also been published indicating the possibility of low bias off-site results due to loss of VOCs during sample collection and handling using bulk sampling procedures (Liikala, 1995). It is possible that concentrations reported at the on-site laboratory may be more representative of actual site conditions. However, for the purpose of this comparison, on-site results are considered potentially biased high.

TPHC

TPHC was detected in approximately 63% of the samples. RPDs of samples with detected TPH ranged from 6% to 200% with the majority of RPDs outside the 50% project goal. There was good correlation of split sample results relative to the magnitude of concentrations reported. In all samples with detects reported, concentrations trends between high and low values agreed well. These results indicate that TPH data are adequate for determination of presence and absence of fuel contamination and the determination of the relative concentrations of contamination at the sites, however, reported concentrations should be considered estimated values.

D.5.5 CONCLUSIONS

There was a strong qualitative and quantitative correlation between the on-site and off-site laboratories. The goal of 95 percent of on-site/off-site data characterized by conditions specified in POP for data categories 1, 2 or 3 was achieved (ABB-ES, 1995), based on results presented in Comparison 1. The comparison results indicate that screening results provided adequate data to identify the presence or absence of contamination at action levels based on MCP Category S-1 soil cleanup criteria (MADEP, 1995).

An evaluation of RPDs (Comparison 2) indicates results for on-site analyses for the VOC target compounds BTEX and naphthalene contamination may be biased high. Bias is possibly a result of interferences with fuel-related compounds and limitations of the GC/PID single column analysis used at the on-site laboratory. The TPH results are adequate for qualitative and semi-quantitative uses, but reported concentrations should be considered estimated.

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APPENDIX D-2
TABLE D2-1
1996 METHOD DETECTION LIMIT STUDY SUMMARY
1996 ON-SITE LABORATORY
FORT DEVENS, MASSACHUSETTS

EPH MDL Study

COMPOUND	SPIKE CONC.	R1	R2	R3	R4	R5	R6	R7	STD. DEV.	MDL	RL
EPH	50 mg/Kg	53	48	41	44	44	39	36	5.7	18	100 mg/Kg

VPH MDL Study

COMPOUND	SPIKE CONC.	R1	R2	R3	R4	R5	R6	R7	STD. DEV.	MDL	RL
VPH	2.5 mg/Kg	2.0	2.1	2.3	2.3	1.9	2.4	1.9	0.19	0.57	6.3 mg/Kg

Initial VOC MDL Study

COMPOUND	SPIKE CONC.	R1	R2	R3	R4	R5	R6	R7	STD. DEV.	MDL	RL
VC	0.10 µg/L	0.320	0.358	0.287	0.296	0.260	0.302	0.297	0.0303	0.095	2.0 µg/L
t-1,2-DCE	0.10 µg/L	0.096	0.096	0.098	0.104	0.093	0.098	0.108	0.0053	0.017	2.0 µg/L
c-1,2-DCE	0.10 µg/L	0.093	0.096	0.092	0.093	0.089	0.095	0.097	0.0026	0.008	2.0 µg/L
TCE	0.10 µg/L	0.093	0.091	0.093	0.090	0.086	0.083	0.094	0.0042	0.013	2.0 µg/L
PCE	0.10 µg/L	0.108	0.103	0.102	0.103	0.099	0.101	0.110	0.0039	0.012	2.0 µg/L
BEN	0.10 µg/L	0.575	0.589	0.577	0.578	0.566	0.553	0.564	0.0117	0.037	2.0 µg/L
TOL	0.10 µg/L	0.416	0.423	0.415	0.429	0.409	0.423	0.422	0.0066	0.021	2.0 µg/L
EBEN	0.10 µg/L	0.385	0.411	0.377	0.400	0.391	0.397	0.542	0.0572	0.180	2.0 µg/L
m/p-X	0.20 µg/L	0.796	0.828	0.728	0.798	0.784	0.756	0.716	0.0405	0.127	4.0 µg/L
o-X	0.10 µg/L	0.371	0.393	0.348	0.479	0.362	0.392	0.376	0.0429	0.135	2.0 µg/L

Second VOC MDL Study

COMPOUND	SPIKE CONC.	R1	R2	R3	R4	R5	R6	R7	STD. DEV.	MDL	RL
VC	0.10 µg/L	0.065	0.059	0.055	0.043	0.052	0.044	0.050	0.0079	0.025	1.0 µg/L
1,1-DCE	0.10 µg/L	0.080	0.071	0.067	0.066	0.054	0.054	0.048	0.0111	0.035	1.0 µg/L
t-1,2-DCE	0.10 µg/L	0.104	0.089	0.099	0.092	0.092	0.085	0.080	0.0079	0.025	1.0 µg/L
c-1,2-DCE	0.10 µg/L	0.086	0.078	0.087	0.079	0.083	0.073	0.077	0.0050	0.016	1.0 µg/L
Chloroform	0.10 µg/L	0.110	0.105	0.114	0.106	0.110	0.101	0.105	0.0043	0.014	1.0 µg/L
1,1,1-TCA	0.10 µg/L	0.095	0.090	0.098	0.089	0.096	0.086	0.088	0.0047	0.015	1.0 µg/L
Carbon tet.	0.10 µg/L	0.093	0.087	0.097	0.085	0.094	0.085	0.086	0.0050	0.016	1.0 µg/L
TCE	0.10 µg/L	0.090	0.085	0.091	0.084	0.085	0.081	0.081	0.0039	0.012	1.0 µg/L
PCE	0.10 µg/L	0.090	0.084	0.095	0.089	0.086	0.082	0.079	0.0054	0.017	1.0 µg/L
BEN	0.10 µg/L	0.110	0.106	0.102	0.104	0.109	0.106	0.109	0.0029	0.009	1.0 µg/L
TOL	0.10 µg/L	0.118	0.117	0.115	0.114	0.119	0.115	0.118	0.0019	0.006	1.0 µg/L
CBEN	0.10 µg/L	0.101	0.095	0.096	0.097	0.102	0.096	0.097	0.0028	0.009	1.0 µg/L
EBEN	0.10 µg/L	0.112	0.105	0.106	0.110	0.113	0.108	0.115	0.0037	0.012	1.0 µg/L
m/p-X	0.20 µg/L	0.244	0.223	0.222	0.227	0.239	0.230	0.222	0.0088	0.028	2.0 µg/L
o-X	0.10 µg/L	0.128	0.124	0.122	0.122	0.125	0.123	0.124	0.0021	0.007	1.0 µg/L

APPENDIX D-2
TABLE D4-1
EPH, VPH, TPHC MATRIX SPIKE and MATRIX SPIKE DUPLICATE RESULTS

1996 ON-SITE LABORATORY
FORT DEVENS, MASSACHUSETTS

EPH MS/MSD

SAMPLE ID	SAMPLE CONC. (mg/Kg)	MS CONC. ADDED (mg/Kg)	MS RECOVERY (%)	MSD RECOVERY (%)	RPD (%)
BX613A17XF	<100	100	45	54	18
BX610123XF	<100	100	50	43	15

VPH MS/MSD

SAMPLE ID	SAMPLE CONC. (mg/Kg)	MS CONC. ADDED (mg/Kg)	MS RECOVERY (%)	MSD RECOVERY (%)	RPD (%)
BX613A17XF	<6.3	12.5	88	91	3.4
BX610123XF	<6.3	12.5	57	63	10

TPHC MS

SAMPLE ID	SAMPLE CONC. (mg/Kg)	MS CONC. ADDED (mg/Kg)	MS RECOVERY (%)
RF571503	12,000E	2500	NC
EF573004	12,000E	2500	NC
BF570900	<53	2500	104
RF572002	<54	2500	104
BF571005	<53	2500	96
EF572803	<52	2500	92
RF571409	64	2500	92
BFZW1909	840	2500	162
BFZW0302	<54	2500	88

NC = Not calculated

E = Exceeded calibration range

APPENDIX D-2
TABLE D4-2
VOC MATRIX SPIKE and MATRIX SPIKE DUPLICATE RESULTS
1996 ON-SITE LABORATORY
FORT DEVENS, MASSACHUSETTS

Aqueous samples

SAMPLE ID	ANALYTE	SAMPLE CONC. (ug/L)	MS CONC. ADDED (ug/L)	MS RECOVERY (%)	MSD RECOVERY (%)	RPD (%)
MXBD01PIXF	VC	<2.0	5.0	101	101	0
	t-1,2-DCE	<2.0	5.0	99	103	4.0
	c-1,2-DCE	<2.0	5.0	93	102	9.2
	TCE	<2.0	5.0	101	104	2.9
	PCE	<2.0	5.0	102	105	2.9
	BEN	<2.0	5.0	90	100	11
	TOL	<2.0	5.0	87	129	39
	EBEN	<2.0	5.0	94	109	15
	m/p-X	<4.0	10	93	104	11
	o-X	<2.0	5.0	90	104	14
XFSA0315	VC	<2.0	5.0	105	109	3.7
	t-1,2-DCE	<2.0	50	85	89	4.6
	c-1,2-DCE	<2.0	50	87	92	5.6
	TCE	<2.0	50	86	91	5.6
	PCE	<2.0	50	88	92	4.4
	BEN	<2.0	50	94	96	2.1
	TOL	<2.0	50	94	95	1.1
	EBEN	<2.0	50	94	96	2.1
	m/p-X	<4.0	100	95	97	2.1
	o-X	<2.0	50	95	97	2.1
XFSA0265	VC	<2.0	5.0	101	105	3.9
	t-1,2-DCE	<2.0	50	103	101	2.0
	c-1,2-DCE	8.5	50	95	93	2.1
	TCE	<2.0	50	105	104	1.0
	PCE	15	50	81	79	2.5
	BEN	<2.0	50	97	97	0
	TOL	<2.0	50	98	98	0
	EBEN	3.1	50	96	98	2.1
	m/p-X	<4.0	100	105	104	1.0
	o-X	<2.0	50	103	104	1.0
XFSA0660	VC	<1.0	10	87	89	2.3
	1,1-DCE	<1.0	10	96	97	1.0
	t-1,2-DCE	<1.0	10	95	101	6.1
	c-1,2-DCE	<1.0	10	60	97	47
	Chloroform	<1.0	10	84	108	25
	1,1,1-TCA	<1.0	10	101	105	3.9
	Carbon tet.	<1.0	10	101	103	2.0
	TCE	<1.0	10	95	101	6.1
	PCE	<1.0	10	67	55	20
	1,3-DCB	<1.0	10	70	104	39
	1,4-DCB	<1.0	10	64	102	46

APPENDIX D-2
TABLE D4-2
VOC MATRIX SPIKE and MATRIX SPIKE DUPLICATE RESULTS
1996 ON-SITE LABORATORY
FORT DEVENS, MASSACHUSETTS

Aqueous samples

SAMPLE ID	ANALYTE	SAMPLE CONC. (ug/L)	MS CONC. ADDED (ug/L)	MS RECOVERY (%)	MSD RECOVERY (%)	RPD (%)
XFSA0755	1,2-DCB	<1.0	10	56	108	63
	BEN	<1.0	10	87	102	16
	TOL	<1.0	10	90	103	13
	CBEN	<1.0	10	79	106	29
	EBEN	<1.0	10	93	103	10
	m/p-X	<2.0	20	92	104	12
	o-X	<1.0	10	79	102	25
	Naph	<1.0	10	12*	101	158*
	VC	<1.0	10	85	91	6.8
	1,1-DCE	<1.0	10	98	102	4.0
	t-1,2-DCE	<1.0	10	102	104	1.9
	c-1,2-DCE	<1.0	10	108	111	2.7
	Chloroform	<1.0	10	110	110	0
	1,1,1-TCA	<1.0	10	105	107	1.9
	Carbon tet.	<1.0	10	104	107	2.8
	TCE	<1.0	10	110	109	0.9
	PCE	<1.0	10	116	117	0.9
	1,3-DCB	<1.0	10	106	108	1.9
	1,4-DCB	<1.0	10	107	109	1.9
	1,2-DCB	<1.0	10	114	114	0
	BEN	<1.0	10	105	106	0.9
	TOL	<1.0	10	108	108	0
	CBEN	<1.0	10	106	105	0.9
	EBEN	<1.0	10	105	104	1.0
	m/p-X	<2.0	20	109	108	0.9
	o-X	<1.0	10	106	106	0
	Naph	<1.0	10	99	113	13
XFSA1015	VC	<1.0	10	110	113	2.7
	1,1-DCE	<1.0	10	112	114	1.8
	t-1,2-DCE	<1.0	10	118	120	1.7
	c-1,2-DCE	<1.0	10	114	116	1.7
	Chloroform	<1.0	10	113	116	2.6
	1,1,1-TCA	<1.0	10	112	113	0.9
	Carbon tet.	<1.0	10	112	115	2.6
	TCE	<1.0	10	115	116	0.9
	PCE	<1.0	10	114	115	0.9
	1,3-DCB	<1.0	10	118	119	0.8
	1,4-DCB	<1.0	10	120	123	2.5
	1,2-DCB	<1.0	10	125	128	2.4
	BEN	<1.0	10	103	104	1.0
	TOL	<1.0	10	106	107	0.9
	CBEN	<1.0	10	103	105	1.9
	EBEN	<1.0	10	102	103	1.0
	m/p-X	<2.0	20	102	103	1.0

APPENDIX D-2

TABLE D4-2

VOC MATRIX SPIKE and MATRIX SPIKE DUPLICATE RESULTS

1996 ON-SITE LABORATORY
FORT DEVENS, MASSACHUSETTS

Aqueous samples

SAMPLE ID	ANALYTE	SAMPLE CONC. (ug/L)	MS CONC. ADDED (ug/L)	MS RECOVERY (%)	MSD RECOVERY (%)	RPD (%)
XFSA1220	o-X	<1.0	10	104	105	1.0
	Naph	<1.0	10	125	146	15
	VC	<1.0	10	88	91	3.4
	1,1-DCE	<1.0	10	96	99	3.1
	t-1,2-DCE	<1.0	10	97	102	5.0
	c-1,2-DCE	<1.0	10	95	101	6.1
	Chloroform	<1.0	10	96	102	6.1
	1,1,1-TCA	<1.0	10	98	101	3.0
	Carbon tet.	<1.0	10	96	100	4.1
	TCE	<1.0	10	95	100	5.1
	PCE	<1.0	10	96	102	6.1
	1,3-DCB	<1.0	10	96	105	9.0
	1,4-DCB	<1.0	10	95	105	10
	1,2-DCB	<1.0	10	88	104	17
	BEN	<1.0	10	101	104	2.9
	TOL	<1.0	10	103	106	2.9
	CBEN	<1.0	10	100	104	3.9
	EBEN	<1.0	10	100	103	3.0
	m/p-X	<2.0	20	100	103	3.0
	o-X	<1.0	10	101	105	3.9
	Naph	<1.0	10	94	127	30
XFSA1420	VC	<1.0	10	82	84	2.4
	1,1-DCE	<1.0	10	96	98	2.1
	t-1,2-DCE	<1.0	10	104	108	3.8
	c-1,2-DCE	<1.0	10	102	107	4.8
	Chloroform	<1.0	10	105	109	3.7
	1,1,1-TCA	<1.0	10	103	107	3.8
	Carbon tet.	<1.0	10	105	110	4.7
	TCE	<1.0	10	108	110	1.8
	PCE	<1.0	10	112	115	2.6
	1,3-DCB	<1.0	10	111	115	3.5
	1,4-DCB	<1.0	10	122	126	3.2
	1,2-DCB	<1.0	10	128	132	3.1
	BEN	<1.0	10	99	99	0
	TOL	<1.0	10	100	101	1.0
	CBEN	<1.0	10	102	103	1.0
	EBEN	<1.0	10	100	101	1.0
	m/p-X	<2.0	20	100	101	1.0
	o-X	<1.0	10	102	103	1.0
	Naph	<1.0	10	102	136	29

APPENDIX D-2
TABLE D4-2
VOC MATRIX SPIKE and MATRIX SPIKE DUPLICATE RESULTS
1996 ON-SITE LABORATORY
FORT DEVENS, MASSACHUSETTS

Aqueous samples

SAMPLE ID	ANALYTE	SAMPLE CONC. (ug/L)	MS CONC. ADDED (ug/L)	MS RECOVERY (%)	MSD RECOVERY (%)	RPD (%)
XFSA1350	VC	<1.0	10	84	79	6.1
	1,1-DCE	<1.0	10	102	99	3.0
	t-1,2-DCE	<1.0	10	110	109	0.9
	c-1,2-DCE	<1.0	10	107	108	0.9
	Chloroform	<1.0	10	108	107	0.9
	1,1,1-TCA	<1.0	10	105	104	1.0
	Carbon tet.	<1.0	10	106	106	0.0
	TCE	<1.0	10	106	108	1.9
	PCE	<1.0	10	99	101	2.0
	1,3-DCB	<1.0	10	111	111	0
	1,4-DCB	<1.0	10	121	120	0.8
	1,2-DCB	<1.0	10	121	118	2.5
	BEN	<1.0	10	101	100	1.0
	TOL	<1.0	10	103	102	1.0
	CBEN	<1.0	10	106	105	0.9
	EBEN	<1.0	10	103	102	1.0
	m/p-X	<2.0	20	103	102	1.0
	o-X	<1.0	10	105	104	1.0
	Naph	<1.0	10	135	146	7.8
XFSA2030	VC	<1.0	10	69	74	7.0
	1,1-DCE	<1.0	10	97	103	6.0
	t-1,2-DCE	<1.0	10	108	112	3.6
	c-1,2-DCE	<1.0	10	113	116	2.6
	Chloroform	<1.0	10	114	116	1.7
	1,1,1-TCA	<1.0	10	109	114	4.5
	Carbon tet.	<1.0	10	110	114	3.6
	TCE	<1.0	10	110	114	3.6
	PCE	<1.0	10	111	117	5.3
	1,3-DCB	<1.0	10	120	125	4.1
	1,4-DCB	<1.0	10	123	133	7.8
	1,2-DCB	<1.0	10	127	141	10
	BEN	<1.0	10	90	93	3.3
	TOL	<1.0	10	93	96	3.2
	CBEN	<1.0	10	97	100	3.0
	EBEN	<1.0	10	94	99	5.2
	m/p-X	<2.0	20	94	100	6.2
	o-X	<1.0	10	98	99	1.0
	Naph	<1.0	10	144	151	4.7

APPENDIX D-2
TABLE D4-2
VOC MATRIX SPIKE and MATRIX SPIKE DUPLICATE RESULTS
1996 ON-SITE LABORATORY
FORT DEVENS, MASSACHUSETTS

Soil samples

SAMPLE ID	ANALYTE	SAMPLE CONC. (ug/Kg)	MS CONC. ADDED (ug/Kg)	MS RECOVERY (%)	MSD RECOVERY (%)	RPD (%)
RF570802	VC	<125	625	108	105	2.8
	1,1-DCE	<125	625	103	99	4.0
	t-1,2-DCE	<125	625	108	108	0
	c-1,2-DCE	<125	625	107	108	0.9
	Chloroform	<125	625	107	108	0.9
	1,1,1-TCA	<125	625	107	109	1.9
	Carbon tet.	<125	625	111	112	0.9
	TCE	<125	625	109	108	0.9
	PCE	<125	625	107	106	0.9
	BEN	<125	625	98	97	1.0
	TOL	<125	625	98	98	0
	CBEN	<125	625	99	102	3.0
	EBEN	<125	625	99	99	0
	m/p-X	<250	1250	98	99	1.0
	o-X	<125	625	99	98	1.0
EF573004	VC	<125	625	102	104	1.9
	1,1-DCE	<125	625	97	92	5.3
	t-1,2-DCE	<125	625	106	108	1.9
	c-1,2-DCE	<125	625	106	108	1.9
	Chloroform	<125	625	106	108	1.9
	1,1,1-TCA	<125	625	106	108	1.9
	Carbon tet.	<125	625	108	108	0
	TCE	<125	625	107	109	1.9
	PCE	<125	625	112	113	0.9
	BEN	<125	625	99	99	0
	TOL	<125	625	100	100	0
	CBEN	<125	625	100	102	2.0
	EBEN	<125	625	107	110	2.8
	m/p-X	<250	1250	113	113	0
	o-X	<125	625	117	117	0
BFZW1901	VC	<125	625	103	99	4.0
	1,1-DCE	<125	625	105	102	2.9
	t-1,2-DCE	<125	625	107	105	1.9
	c-1,2-DCE	<125	625	106	105	0.9
	Chloroform	<125	625	105	105	0
	1,1,1-TCA	<125	625	105	104	1.0
	Carbon tet.	<125	625	107	104	2.8

APPENDIX D-2
TABLE D4-2
VOC MATRIX SPIKE and MATRIX SPIKE DUPLICATE RESULTS
1996 ON-SITE LABORATORY
FORT DEVENS, MASSACHUSETTS

Soil samples

SAMPLE ID	ANALYTE	SAMPLE CONC. (ug/Kg)	MS CONC. ADDED (ug/Kg)	MS RECOVERY (%)	MSD RECOVERY (%)	RPD (%)
	TCE	<125	625	107	105	1.9
	PCE	<125	625	108	106	1.9
	1,3-DCB	<125	625	101	100	1.0
	1,4-DCB	<125	625	103	104	1.0
	1,2-DCB	<125	625	107	111	3.7
	BEN	<125	625	95	95	0
	TOL	<125	625	97	97	0
	CBEN	<125	625	95	95	0
	EBEN	<125	625	96	96	0
	m/p-X	<250	1250	96	96	0
	o-X	<125	625	97	97	0
	Naph	<125	625	84	101	18
RF571605	VC	<125	625	81	81	0
	1,1-DCE	<125	625	89	86	3.4
	t-1,2-DCE	<125	625	94	94	0
	c-1,2-DCE	<125	625	103	103	0
	Chloroform	<125	625	113	112	0.9
	1,1,1-TCA	<125	625	108	108	0
	Carbon tet.	<125	625	104	102	1.9
	TCE	<125	625	102	102	0
	PCE	<125	625	102	103	1.0
	1,3-DCB	<125	625	107	108	0.9
	1,4-DCB	<125	625	108	107	0.9
	1,2-DCB	<125	625	107	109	1.9
	BEN	<125	625	78	79	1.3
	TOL	<125	625	80	81	1.2
	CBEN	<125	625	82	82	0
	EBEN	<125	625	83	83	0
	m/p-X	<250	1250	81	81	0
	o-X	<125	625	83	83	0
	Naph	<125	625	90	97	7.5
RF571705	VC	<125	625	76	76	0
	1,1-DCE	<125	625	62	64	3.2
	t-1,2-DCE	<125	625	125	126	0.8
	c-1,2-DCE	<125	625	103	104	1.0
	Chloroform	<125	625	122	123	0.8
	1,1,1-TCA	<125	625	106	106	0

APPENDIX D-2
TABLE D4-2
VOC MATRIX SPIKE and MATRIX SPIKE DUPLICATE RESULTS
1996 ON-SITE LABORATORY
FORT DEVENS, MASSACHUSETTS

Soil samples

SAMPLE ID	ANALYTE	SAMPLE CONC. (ug/Kg)	MS CONC. ADDED (ug/Kg)	MS RECOVERY (%)	MSD RECOVERY (%)	RPD (%)
	Carbon tet.	<125	625	108	107	0.9
	TCE	<125	625	103	103	0
	PCE	<125	625	102	104	1.9
	1,3-DCB	<125	625	104	107	2.8
	1,4-DCB	<125	625	104	108	3.8
	1,2-DCB	<125	625	104	109	4.7
	BEN	<125	625	78	79	1.3
	TOL	<125	625	82	83	1.2
	CBEN	<125	625	81	81	0
	EBEN	<125	625	82	83	1.2
	m/p-X	<250	1250	80	81	1.2
	o-X	<125	625	82	83	1.2
	Naph	<125	625	77	89	14
BFZW2110	VC	<125	625	73	73	0
	1,1-DCE	<125	625	61	61	0
	t-1,2-DCE	<125	625	99	99	0
	c-1,2-DCE	<125	625	101	101	0
	Chloroform	<125	625	116	116	0
	1,1,1-TCA	<125	625	105	105	0
	Carbon tet.	<125	625	107	107	0
	TCE	<125	625	104	103	1.0
	PCE	<125	625	104	102	1.9
	1,3-DCB	<125	625	108	108	0
	1,4-DCB	<125	625	118	112	5.2
	1,2-DCB	<125	625	120	115	4.3
	BEN	<125	625	78	77	1.3
	TOL	<125	625	83	83	0
	CBEN	<125	625	80	80	0
	EBEN	<125	625	82	82	0
	m/p-X	<250	1250	80	80	0
	o-X	<125	625	82	82	0
	Naph	<125	625	84	95	12
RF572002	VC	<125	625	101	98	3.0
	1,1-DCE	<125	625	108	105	2.8
	t-1,2-DCE	<125	625	130	127	2.3
	c-1,2-DCE	<125	625	108	106	1.9
	Chloroform	<125	625	112	111	0.9

APPENDIX D-2
TABLE D4-2
VOC MATRIX SPIKE and MATRIX SPIKE DUPLICATE RESULTS
1996 ON-SITE LABORATORY
FORT DEVENS, MASSACHUSETTS

Soil samples

SAMPLE ID	ANALYTE	SAMPLE CONC. (ug/Kg)	MS CONC. ADDED (ug/Kg)	MS RECOVERY (%)	MSD RECOVERY (%)	RPD (%)
	1,1,1-TCA	<125	625	107	105	1.9
	Carbon tet.	<125	625	110	105	4.7
	TCE	<125	625	108	102	5.7
	PCE	<125	625	108	105	2.8
	1,3-DCB	<125	625	101	102	1.0
	1,4-DCB	<125	625	102	104	1.9
	1,2-DCB	<125	625	107	112	4.6
	BEN	<125	625	100	99	1.0
	TOL	<125	625	101	99	2.0
	CBEN	<125	625	100	100	0
	EBEN	<125	625	100	99	1.0
	m/p-X	<250	1250	100	99	1.0
	o-X	<125	625	97	96	1.0
	Naph	<125	625	84	102	19
BF570900	VC	<125	625	92	93	1.1
	1,1-DCE	<125	625	102	104	1.9
	t-1,2-DCE	<125	625	118	123	4.1
	c-1,2-DCE	<125	625	107	109	1.9
	Chloroform	<125	625	112	116	3.5
	1,1,1-TCA	<125	625	105	106	0.9
	Carbon tet.	<125	625	102	104	1.9
	TCE	<125	625	101	105	3.9
	PCE	<125	625	102	103	1.0
	1,3-DCB	<125	625	100	103	3.0
	1,4-DCB	<125	625	99	102	3.0
	1,2-DCB	<125	625	101	107	5.8
	BEN	<125	625	99	102	3.0
	TOL	<125	625	102	103	1.0
	CBEN	<125	625	100	103	3.0
	EBEN	<125	625	100	102	2.0
	m/p-X	<250	1250	100	103	3.0
	o-X	<125	625	100	104	3.9
	Naph	<125	625	72	94	27
BX502005	VC	<1.0	10	61	95	44
	1,1-DCE	<1.0	10	93	94	1.1
	t-1,2-DCE	<1.0	10	71	95	29
	c-1,2-DCE	<1.0	10	78	93	18

APPENDIX D-2
TABLE D4-2
VOC MATRIX SPIKE and MATRIX SPIKE DUPLICATE RESULTS
1996 ON-SITE LABORATORY
FORT DEVENS, MASSACHUSETTS

Soil samples

SAMPLE ID	ANALYTE	SAMPLE CONC. (ug/Kg)	MS CONC. ADDED (ug/Kg)	MS RECOVERY (%)	MSD RECOVERY (%)	RPD (%)
BX502015	Chloroform	<1.0	10	79	94	17
	1,1,1-TCA	<1.0	10	72	95	28
	Carbon tet.	<1.0	10	70	97	32
	TCE	<1.0	10	75	93	21
	PCE	<1.0	10	77	95	21
	1,3-DCB	<1.0	10	92	95	3.2
	1,4-DCB	<1.0	10	93	99	6.3
	1,2-DCB	<1.0	10	95	104	9.0
	BEN	<1.0	10	67	84	23
	TOL	<1.0	10	71	84	17
	CBEN	<1.0	10	78	85	8.6
	EBEN	<1.0	10	75	85	13
	m/p-X	<2.0	20	75	85	13
	o-X	<1.0	10	78	85	8.6
	Naph	<1.0	10	126	101	22
	VC	<1.0	10	111	97	13
	1,1-DCE	<1.0	10	110	99	11
	t-1,2-DCE	<1.0	10	110	102	7.5
	c-1,2-DCE	<1.0	10	109	102	6.6
	Chloroform	<1.0	10	110	104	5.6
	1,1,1-TCA	<1.0	10	111	103	7.5
	Carbon tet.	<1.0	10	112	104	7.4
	TCE	<1.0	10	108	100	7.7
	PCE	<1.0	10	116	106	9.0
	1,3-DCB	<1.0	10	108	103	4.7
	1,4-DCB	<1.0	10	110	104	5.6
	1,2-DCB	<1.0	10	110	106	3.7
	BEN	<1.0	10	98	89	9.6
	TOL	<1.0	10	98	89	9.6
	CBEN	<1.0	10	97	91	6.4
	EBEN	<1.0	10	98	91	7.4
	m/p-X	<2.0	20	98	91	7.4
	o-X	<1.0	10	98	91	7.4
	Naph	<1.0	10	90	101	12

APPENDIX D-2
TABLE D4-2
VOC MATRIX SPIKE and MATRIX SPIKE DUPLICATE RESULTS
1996 ON-SITE LABORATORY
FORT DEVENS, MASSACHUSETTS

Soil samples

SAMPLE ID	ANALYTE	SAMPLE CONC. (ug/Kg)	MS CONC. ADDED (ug/Kg)	MS RECOVERY (%)	MSD RECOVERY (%)	RPD (%)
BX502025	VC	<1.0	10	88	87	1.1
	1,1-DCE	<1.0	10	91	88	3.4
	t-1,2-DCE	<1.0	10	98	96	2.1
	c-1,2-DCE	<1.0	10	101	100	1.0
	Chloroform	<1.0	10	103	100	3.0
	1,1,1-TCA	<1.0	10	96	91	5.3
	Carbon tet.	<1.0	10	95	91	4.3
	TCE	<1.0	10	97	93	4.2
	PCE	<1.0	10	166	163	1.8
	1,3-DCB	<1.0	10	104	103	1.0
	1,4-DCB	<1.0	10	107	109	1.9
	1,2-DCB	<1.0	10	108	112	3.6
	BEN	<1.0	10	84	82	2.4
	TOL	<1.0	10	84	82	2.4
	CBEN	<1.0	10	89	87	2.3
	EBEN	<1.0	10	85	83	2.4
	m/p-X	<2.0	20	85	83	2.4
	o-X	<1.0	10	87	85	2.3
	Naph	<1.0	10	106	106	0

APPENDIX D-2
TABLE D4-3
EPH, VPH, TPHC FIELD DUPLICATE RESULTS
1996 ON-SITE LABORATORY
FORT DEVENS, MASSACHUSETTS

EPH Duplicates

SAMPLE ID	SAMPLE CONC. (mg/Kg)	DUPLICATE CONC. (mg/Kg)	RPD (%)
BX613A17XF	<100	<100	NA
BX610115XF	<100	<100	NA
MXBD0323XF	<100	<100	NA
MXBD0217XF	<100	<100	NA

VPH Duplicates

SAMPLE ID	SAMPLE CONC. (mg/Kg)	DUPLICATE CONC. (mg/Kg)	RPD (%)
BX613A17XF	<6.3	<6.3	NA
BX610115XF	<6.3	<6.3	NA
MXBD0323XF	<6.3	<6.3	NA
MXBD0217XF	<6.3	<6.3	NA

TPHC Duplicates

SAMPLE ID	SAMPLE CONC. ppm	DUPLICATE CONC. ppm	RPD (%)
RF571206	<52	<52	NA
EF573106	10,000	14,000	33
BFZW1901	<53	53	200
BFZW1905	<53	<53	NA
RF571503	12000E	12000E	0
RF571603	53	53	0
BFZW0304	<58	<58	NA
BFZW0306	<57	<59	NA
RF571709	65	<65	200
RF572002	<54	<54	NA
BF571110	<62	<65	NA
BF570910	<70	<70	NA
EF572803	<52	52	200
RF571409	64	<64	200

NC = Not calculated
NA = Not applicable
E = Exceeded calibration range

APPENDIX D-2
TABLE D4-4
VOC DUPLICATE RESULTS
1996 ON-SITE LABORATORY
FORT DEVENS, MASSACHUSETTS

Aqueous Samples

SAMPLE ID	ANALYTE	SAMPLE CONC. (ug/L)	DUPLICATE CONC. (ug/L)	RPD (%)
MX613B30XF	ALL BRL	ND	ND	NA
MX610129XF	ALL BRL	ND	ND	NA
XFSA0315	ALL BRL	ND	ND	NA
XFSA0345	VC	4.0	4.3	7.2
	c-1,2-DCE	86	85	1.2
	TCE	25	24	4.1
	PCE	67	65	3.0
	EBEN	3.3	3.0	9.5
	m/p-X	9.0	8.1	11
	o-X	2.7	2.2	20
XFSA0265	c-1,2-DCE	8.5	6.8	22
	PCE	15	12	22
	EBEN	3.1	<2.0	200.0
MF571305	TOL	2.9	2.6	11
	EBEN	2.8	2.6	7.4
XFSA0420	PCE	33E	33E	0
XFSA0520	c-1,2-DCE	4.1	4.6	11
	PCE	2.3	2.5	8.3
XFSA0640	ALL BRL	ND	ND	NA
XFSA0650	ALL BRL	ND	ND	NA
XFSA0755	ALL BRL	ND	ND	NA
XFSA0840	ALL BRL	ND	ND	NA
XFSA1015	ALL BRL	ND	ND	NA
XFSA1035	ALL BRL	ND	ND	NA
XFSA1130	PCE	64E	63E	1.6
XFSA1330	PCE	4500	4100	9.3
XFSA1420	ALL BRL	ND	ND	NA
XFSA1440	PCE	3.0	3.2	6.5
XFSA1350	PCE	12000	8000	40

APPENDIX D-2
TABLE D4-4
VOC DUPLICATE RESULTS
1996 ON-SITE LABORATORY
FORT DEVENS, MASSACHUSETTS

Aqueous Samples

SAMPLE ID	ANALYTE	SAMPLE CONC. (ug/L)	DUPLICATE CONC. (ug/L)	RPD (%)
XFSA1945	c-1,2-DCE	11	7.7	35
	PCE	26E	20	26
XFSA1965	c-1,2-DCE	64E	70E	9.0
	TCE	17	18	5.7
	PCE	93E	100E	7.3
	TOL	4.9	7.8	46
XFSA2020	BRL	ND	ND	NA

APPENDIX D-2
TABLE D4-4
VOC DUPLICATE RESULTS
1996 ON-SITE LABORATORY
FORT DEVENS, MASSACHUSETTS

SOIL Samples

SAMPLE ID	ANALYTE	SAMPLE CONC. (ug/kg)	DUPLICATE CONC. (ug/kg)	RPD (%)
RF570802	BRL	ND	ND	
EF573004	BRL	ND	ND	NA
RF571010	o-X	880	<300	200
RF571206	BRL	ND	ND	NA
EF573106	Naph	560	<270	200
BFZW1901	BRL	ND	ND	NA
RF571603	Chloroform	380 B	<260	200
	Naph	<260	930	200
BFZW0304	BRL	ND	ND	NA
BFZW0306	BRL	ND	ND	NA
RF571709	BRL	ND	ND	NA
RF572002	Chloroform	340	<270	200
BF571005	BRL	ND	ND	NA
BF571110	BRL	ND	ND	NA
BXG613B29	c-1,2-DCE	12	6.5	59
	PCE	220E	100E	75
BX502025	PCE	17	21	21
BX502030	BRL	ND	ND	NA

* = data not included with statistics of the table, data is an outlier.

BRL = All target compounds reported below reporting limits

ND = non-detect

APPENDIX D-2
TABLE D5-1
VPH/EPH SPLIT SAMPLE RESULTS
1996 FIELD PROGRAM
FORT DEVENS, MASSACHUSETTS

SAMPLE DATE	SAMPLE	OFF-SITE EPH mg/kg	ON-SITE EPH mg/kg	RPD	SCENARIO 1,2,3,4
6/21/96	BX610127	0.18 U	120 U	NC	1
6/24/96	BX610225	0.16 U	110 U	NC	1
6/20/96	BX613A25	0.16 U	110 U	NC	1
6/19/96	BX613B27	0.17 U	130 U	NC	1
6/18/96	BXBD0123	0.17 U	110 U	NC	1
6/25/96	MXBD0327	0.16 U	110 U	NC	1
6/25/96	MXBD0229	0.18 U	120 U	NC	1
		OFF-SITE VPH µg/kg	ON-SITE VPH mg/kg	RPD	SCENARIO 1,2,3,4
6/21/96	BX610127	13 U	7800 U	NC	1
6/24/96	BX610225	25 U	6700 U	NC	1
6/20/96	BX613A25	13 U	6600 U	NC	1
6/19/96	BX613B27	13 U	7900 U	NC	1
6/18/96	BXBD0123	280	7000 U	0	1
6/25/96	MXBD0327	25 U	7100 U	NC	1
6/25/96	MXBD0229	25 U	7500 U	NC	1

Notes:

BC = Not Calculated

RPD = Relative Percent Difference

APPENDIX D-2
TABLE D5-2
TPHC SPLIT SAMPLE RESULTS
1996 FIELD PROGRAM
FORT DEVENS, MASSACHUSETTS

FIELD SAMPLE NUMBER	ANALYTE	OFF-SITE RESULT	ON-SITE RESULT	RPD	SCENARIO
EF 573106	TPHC	18300	1000	57*	2
EF573006	TPHC	6960	8900	24	2
EF572911	TPHC	262	160	48	1
EF572810	TPHC	36100	160	198*	4
BF571110	TPHC	27.8 U	62 U	NC	1
BF571105	TPHC	4250	7400	54*	2
BF571010	TPHC	27.8 U	65	200*	1
BF571005	TPHC	27.6 U	53 U	NC	1
BF570905	TPHC	27.8 U	61 U	NC	1
BF570900	TPHC	39.4	150	65*	1
BF570805	TPHC	27.8 U	67 U	NC	1
BF570800	TPHC	50	53	6.0	1
BF570705	TPHC	31600	14000 E	77*	2
BF570700	TPHC	41400	12000 E	110*	2
BFZW0306	TPHC	57.5	57 U	200*	1
BFZW0310	TPHC	27.8 U	61 U	NC	1
BFZW1905	TPHC	27.8 U	0.4 U	NC	1
BFZW1909	TPHC	1740	840	67*	2
BFZW2002	TPHC	27.8 U	62	200*	1
BRZW2004	TPHC	27.8 U	62 U	NC	1
BFZW2104	TPHC	27.8 U	55 U	NC	1
BFZW2108	TPHC	27.8 U	57	200*	1

Notes:

1. Concentrations in µg/g
RPD = Relative Percent Difference

APPENDIX D-2
TABLE D5-3
SUMMARY OF VOLATILE SPLIT SAMPLE RESULTS
1996 FIELD PROGRAM
FORT DEVENS, MASSACHUSETTS

FIELD SAMPLE NUMBER	TARGET COMPOUND	OFF-SITE RESULT µg/g	ON-SITE RESULT µg/g	RPD	CATEGORY
BF570700	111TCE	.0044 U	1.4 U	NA	1
	11DCE	.0039 U	1.4 U	NA	1
	12DCE	.003 U	1.4 U	NA	1
	12DCLB	1 U	1.4 U	NA	1
	13DCLB	1 U	1.4 U	NA	1
	14DCLB	1 U	1.4 U	NA	1
	C2H3CL	.0062 U	1.4 U	NA	1
	C6H6	.0015 U	1.4 U	NA	1
	CCL4	.007 U	1.4 U	NA	1
	CHCL3	.00087 U	1.4 U	NA	1
	CLC6H5	.00086 U	1.4 U	NA	1
	ETC6H5	.0017 U	1.4 U	NA	1
	MEC6H5	.00078 U	1.4 U	NA	1
	NAP	4 U	2.3 J	200	1
	TCLEE	.0057	1.4 U	0	1
	TRCLE	.0028 U	1.4 U	NA	1
	XYLEN	.0015 U	1.4 U	NA	1
BF570705	111TCE	0.022 U	1.6 U	NA	1
	11DCE	0.02 U	1.6 U	NA	1
	12DCE	0.015 U	1.6 U	NA	1
	C2H3CL	0.031 U	1.6 U	NA	1
	C6H6	0.0075 U	1.6 U	NA	1
	CCL4	0.035 U	1.6 U	NA	1
	CHCL3	0.0044 U	1.6 U	NA	1
	CLC6H5	0.0044 U	1.6 U	NA	1
	ETC6H5	1.2	11	161	1
	MEC6H5	0.31	1.6 U	NA	1
	TCLEE	0.0041 U	1.6 U	NA	1
	TRCLE	0.014 U	1.6 U	NA	1
	XYLEN	22	86	119	1
	12DCLB	8	4.6	54	1
	13DCLB	0.6 U	1.6 U	NA	1
	14DCLB	2	14	150	1
	NAP	9	27 J	100	3
BF570800	111TCE	0.0044 U	0.27 U	NA	1
	11DCE	0.0039 U	0.27 U	NA	1
	12DCE	0.003 U	0.27 U	NA	1
	C2H3CL	0.0062 U	0.27 U	NA	1
	C6H6	0.0015 U	0.27 U	NA	1
	CCL4	0.007 U	0.27 U	NA	1
	CHCL3	0.00087 U	0.27 U	NA	1
	CLC6H5	0.00086 U	0.27 U	NA	1
	ETC6H5	0.0017 U	0.27 U	NA	1
	MEC6H5	0.0016	0.27 U	0	1
	TCLEE	0.00081 U	0.27 U	NA	1
	TRCLE	0.0028 U	0.27 U	NA	1

APPENDIX D-2
TABLE D5-3
SUMMARY OF VOLATILE SPLIT SAMPLE RESULTS
1996 FIELD PROGRAM
FORT DEVENS, MASSACHUSETTS

FIELD SAMPLE NUMBER	TARGET COMPOUND	OFF-SITE RESULT µg/g	ON-SITE RESULT µg/g	RPD	CATEGORY
	XYLEN	0.0015 U	0.54 U	NA	1
	12DCLB	.11 U	0.27 U	NA	1
	13DCLB	.13 U	0.27 U	NA	1
	14DCLB	.098 U	0.27 U	NA	1
	NAP	.037 U	0.27 U	NA	1
BF570805	111TCE	0.0044 U	0.33 U	NA	1
	11DCE	0.0039 U	0.33 U	NA	1
	12DCE	0.003 U	0.33 U	NA	1
	C2H3CL	0.0062 U	0.33 U	NA	1
	C6H6	0.0015 U	0.33 U	NA	1
	CCL4	0.007 U	0.33 U	NA	1
	CHCL3	0.00087 U	0.33 U	NA	1
	CLC6H5	0.00086 U	0.33 U	NA	1
	ETC6H5	0.0017 U	0.33 U	NA	1
	MEC6H5	0.00078 U	0.33 U	NA	1
	TCLEE	0.00081 U	0.33 U	NA	1
	TRCLE	0.0028 U	0.33 U	NA	1
	XYLEN	0.0015 U	0.66 U	NA	1
	12DCLB	.11 U	0.33 U	NA	1
	13DCLB	.13 U	0.33 U	NA	1
	14DCLB	.098 U	0.33 U	NA	1
	NAP	.037 U	0.33 U	NA	1
BF570900	111TCE	0.0044 U	0.26 U	NA	1
	11DCE	0.0039 U	0.26 U	NA	1
	12DCE	0.003 U	0.26 U	NA	1
	C2H3CL	0.0062 U	0.26 U	NA	1
	C6H6	0.0015 U	0.26 U	NA	1
	CCL4	0.007 U	0.26 U	NA	1
	CHCL3	0.00087 U	0.26 U	NA	1
	CLC6H5	0.00086 U	0.26 U	NA	1
	ETC6H5	0.0017 U	0.26 U	NA	1
	MEC6H5	0.003	0.26 U	0	1
	TCLEE	0.00081 U	0.26 U	NA	1
	TRCLE	0.0028 U	0.26 U	NA	1
	XYLEN	0.0015 U	0.52 U	NA	1
	12DCLB	.11 U	0.26 U	NA	1
	13DCLB	.13 U	0.26 U	NA	1
	14DCLB	.098 U	0.26 U	NA	1
	NAP	.048	0.26 U	0	1
BF570905	111TCE	0.0044 U	0.31 U	NA	1
	11DCE	0.0039 U	0.31 U	NA	1
	12DCE	0.003 U	0.31 U	NA	1
	C2H3CL	0.0062 U	0.31 U	NA	1
	C6H6	0.0015 U	0.31 U	NA	1
	CCL4	0.007 U	0.31 U	NA	1
	CHCL3	0.00087 U	0.31 U	NA	1

APPENDIX D-2
TABLE D5-3
SUMMARY OF VOLATILE SPLIT SAMPLE RESULTS
1996 FIELD PROGRAM
FORT DEVENS, MASSACHUSETTS

FIELD SAMPLE NUMBER	TARGET COMPOUND	OFF-SITE RESULT µg/g	ON-SITE RESULT µg/g	RPD	CATEGORY
	CLC6H5	0.00086 U	0.31 U	NA	1
	ETC6H5	0.0017 U	0.31 U	NA	1
	MEC6H5	0.0012	0.31 U	0	1
	TCLEE	0.00081 U	0.31 U	NA	1
	TRCLE	0.0028 U	0.31 U	NA	1
	XYLEN	0.0015 U	0.61 U	NA	1
	12DCLB	.11 U	0.31 U	NA	1
	13DCLB	.13 U	0.31 U	NA	1
	14DCLB	.098 U	0.31 U	NA	1
	NAP	.037 U	0.31 U	NA	1
BF571005	111TCE	.0044 U	0.26 U	NA	1
	11DCE	.0039 U	0.26 U	NA	1
	12DCE	.003 U	0.26 U	NA	1
	12DCLB	.11 U	0.26 U	NA	1
	13DCLB	.13 U	0.26 U	NA	1
	14DCLB	.098 U	0.26 U	NA	1
	C2H3CL	.0062 U	0.26 U	NA	1
	C6H6	.0015 U	0.26 U	NA	1
	CCL4	.007 U	0.26 U	NA	1
	CHCL3	.00087 U	0.26 U	NA	1
	CLC6H5	.00086 U	0.26 U	NA	1
	ETC6H5	.0017 U	0.26 U	NA	1
	MEC6H5	.00078 U	0.26 U	NA	1
	NAP	.037 U	0.26 U	NA	1
	TCLEE	.00081 U	0.26 U	NA	1
	TRCLE	.0028 U	0.26 U	NA	1
	XYLEN	.0015 U	0.39 U	NA	1
BF571010	111TCE	.0044 U	0.33 U	NA	1
	11DCE	.0039 U	0.33 U	NA	1
	12DCE	.003 U	0.33 U	NA	1
	12DCLB	.11 U	0.33 U	NA	1
	14DCLB	.098 U	0.33 U	NA	1
	C2H3CL	.0062 U	0.33 U	NA	1
	C6H6	.0015 U	0.33 U	NA	1
	CCL4	.007 U	0.33 U	NA	1
	CHCL3	.00087 U	0.33 U	NA	1
	CLC6H5	.00086 U	0.33 U	NA	1
	ETC6H5	.0017 U	0.33 U	NA	1
	MEC6H5	.00078 U	0.33 U	NA	1
	NAP	.037 U	0.33 U	NA	1
	TCLEE	.00081 U	0.33 U	NA	1
	TRCLE	.0028 U	0.33 U	NA	1
	XYLEN	.0015 U	0.49 U	NA	1
BF571105	111TCE	.0044 U	0.27 U	NA	1
	11DCE	.0039 U	0.27 U	NA	1
	12DCE	.003 U	0.27 U	NA	1

APPENDIX D-2
TABLE D5-3
SUMMARY OF VOLATILE SPLIT SAMPLE RESULTS
1996 FIELD PROGRAM
FORT DEVENS, MASSACHUSETTS

FIELD SAMPLE NUMBER	TARGET COMPOUND	OFF-SITE RESULT µg/g	ON-SITE RESULT µg/g	RPD	CATEGORY
	12DCLB	.6 U	0.27 U	NA	1
	13DCLB	.6 U	0.27 U	NA	1
	14DCLB	.5 U	0.27 U	NA	1
	C2H3CL	.0062 U	0.27 U	NA	1
	C6H6	.0015 U	0.27 U	NA	1
	CCL4	.007 U	0.27 U	NA	1
	CHCL3	.00087 U	0.27 U	NA	1
	CLC6H5	.00086 U	0.27 U	NA	1
	ETC6H5	.0017 U	0.27 U	NA	1
	MEC6H5	.00078 U	0.27 U	NA	1
	NAP	.2 U	0.27 U	NA	1
	TCLEE	.00081 U	0.27 U	NA	1
	TRCLE	.0028 U	0.27 U	NA	1
	XYLEN	.0015 U	0.41 U	NA	1
BF571110	111TCE	.0044 U	0.31 U	NA	1
	11DCE	.0039 U	0.31 U	NA	1
	12DCE	.003 U	0.31 U	NA	1
	12DCLB	.11 U	0.31 U	NA	1
	13DCLB	.13 U	0.31 U	NA	1
	13DCLB	.13 U	0.31 U	NA	1
	14DCLB	.098 U	0.31 U	NA	1
	C2H3CL	.0062 U	0.31 U	NA	1
	C6H6	.0015 U	0.31 U	NA	1
	CCL4	.007 U	0.31 U	NA	1
	CHCL3	.00087 U	0.31 U	NA	1
	CLC6H5	.00086 U	0.31 U	NA	1
	ETC6H5	.0017 U	0.31 U	NA	1
	MEC6H5	.0018 U	0.31 U	0	1
	NAP	.037 U	0.31 U	NA	1
	TCLEE	.00081 U	0.31 U	NA	1
	TRCLE	.0028 U	0.31 U	NA	1
	XYLEN	.0015 U	0.62 U	NA	1
EF572810	111TCE	.0044 U	0.31 U	NA	1
	11DCE	.0039 U	0.31 U	NA	1
	12DCE	.003 U	0.31 U	NA	1
	C2H3CL	.0062 U	0.31 U	NA	1
	C6H6	.0015 U	0.31 U	NA	1
	CCL4	.007 U	0.31 U	NA	1
	CHCL3	.00087 U	0.31 U	NA	1
	CLC6H5	.00086 U	0.31 U	NA	1
	ETC6H5	.0042 U	0.31 U	0	1
	MEC6H5	.00078 U	0.31 U	NA	1
	TCLEE	.0094 U	0.31 U	0	1
	TRCLE	.0028 U	0.31 U	NA	1
	XYLEN	.066 U	0.62 U	0	1
EF572911	111TCE	.0044 U	0.31 U	NA	1

APPENDIX D-2
TABLE D5-3
SUMMARY OF VOLATILE SPLIT SAMPLE RESULTS
1996 FIELD PROGRAM
FORT DEVENS, MASSACHUSETTS

FIELD SAMPLE NUMBER	TARGET COMPOUND	OFF-SITE RESULT µg/g	ON-SITE RESULT µg/g	RPD	CATEGORY
	11DCE	.0039 U	0.31 U	NA	1
	12DCE	.003 U	0.31 U	NA	1
	C2H3CL	.0062 U	0.31 U	NA	1
	C6H6	.0015 U	0.31 U	NA	1
	CCL4	.007 U	0.31 U	NA	1
	CHCL3	.00087 U	0.31 U	NA	1
	CLC6H5	.00086 U	0.31 U	NA	1
	ETC6H5	.0017 U	0.31 U	NA	1
	MEC6H5	.00078 U	0.31 U	NA	1
	TCLEE	.00081 U	0.31 U	NA	1
	TRCLE	.0028 U	0.31 U	NA	1
	XYLEN	.0015 U	0.62 U	NA	1
EF573006	111TCE	.0044 U	0.26 U	NA	1
	11DCE	.0039 U	0.26 U	NA	1
	12DCE	.003 U	0.26 U	NA	1
	C2H3CL	.0062 U	0.26 U	NA	1
	C6H6	.0015 U	0.26 U	NA	1
	CCL4	.007 U	0.26 U	NA	1
	CHCL3	.00087 U	0.26 U	NA	1
	CLC6H5	.00086 U	0.26 U	NA	1
	ETC6H5	.0017 U	0.49	200	1
	MEC6H5	.00078 U	0.26 U	NA	1
	TCLEE	.00081 U	0.26 U	NA	1
	TRCLE	.0028 U	0.26 U	NA	1
	XYLEN	.13	3.8	97	1
EF573106	111TCE	.0044 U	0.27 U	NA	1
	11DCE	.0039 U	0.27 U	NA	1
	12DCE	.003 U	0.27 U	NA	1
	12DCLB	.6 U	0.27 U	NA	1
	13DCLB	.6 U	0.27 U	NA	1
	14DCLB	.5 U	0.27 U	NA	1
	C2H3CL	.0062 U	0.27 U	NA	1
	C6H6	.0015 U	0.27 U	NA	1
	CCL4	.007 U	0.27 U	NA	1
	CHCL3	.00087 U	0.27 U	NA	1
	CLC6H5	.00086 U	0.27 U	NA	1
	ETC6H5	.0017 U	0.27 U	NA	1
	MEC6H5	.00078 U	0.27 U	NA	1
	NAP	.2 U	0.56	200	1
	TCLEE	.00081 U	0.27 U	NA	1
	TRCLE	.0028 U	0.27 U	NA	1
	XYLEN	.0015 U	0.41 U	NA	1

NOTES:

NA= not applicable

J = estimated result

U = non-detect

ATTACHMENT D2-1
1996 FIELD ANALYTICAL PROCEDURES

**PROJECT OPERATION PLAN ADDENDUM
1996 FIELD SCREENING METHODOLOGY
TARGET VOLATILE ORGANIC COMPOUNDS(VOCs)
ESTIMATION OF TOTAL VOLATILE PETROLEUM HYDROCARBONS(TVPH)
AND TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS(TEPH)**

1.0 Introduction

Field screening procedures for Fort Devens remedial investigations are described in Section 4.6 of the Fort Devens Project Operation Plan (POP) (ABB-ES, 1995). Modifications to some of these field screening procedures have been made for the 1996 field investigations. The purpose of this addendum is to outline modifications to field screening procedures that will be incorporated into the 1996 field program. Field screening gas chromatography (GC) procedures have been developed to provide on-site results for target volatile organics (VOCs) and estimates of total volatile petroleum hydrocarbons (TVPH) and extractable petroleum hydrocarbons (TEPH). The TVPH and TEPH measurements will provide an estimate of total hydrocarbons present in each fraction that are comparable to results generated using analytical methods developed by the Massachusetts Department of Environmental Protection (MADEP), however, TVPH and TEPH will be reported as a total concentration and not broken down into aliphatic and aromatic fractions as outlined in the MADEP methodology (MADEP, 1995). The purpose of the field analyses is to provide quick turnaround of analytical results for real time decision making during the field investigation.

A summary of the field methodologies instrumentation, sample preparation, instrument calibration, target compounds and detection limits, sample quantitation, and analytical quality control analyses are presented below.

2.0 Field Instrumentation and Analytical Methods

Investigations at AOC 50 are driven by the potential presence of fuel hydrocarbons including benzene, toluene, ethylbenzene, and xylene (BTEX), and solvents including tetrachloroethene (PCE) and the de-chlorination degradation products trichloroethene (TCE), cis-1,2-dichloroethene, trans-1,2-dichloroethene, and vinyl chloride in groundwater. Groundwater samples collected at AOC 50 will be analyzed using purge and trap Method 5030A and modified USEPA Method 8021A and modified USEPA Method 8015A (USEPA, 1995). As outlined in Method 8021A, BTEX compounds will be identified and quantified with a photoionization detector (PID) and the chlorinated solvents will be identified and quantified using an electrolytic conductivity detector (ELCD). As outlined in Method 8015, TVPH will be quantified using a Flame ionization detector (FID). Target compounds and reporting limits

for AOC 50 groundwater samples are summarized in Table 1. For target compound analyses, analytical procedures for instrument calibration, sample identification, quality control blank analyses, and sample preparation will be consistent with those outlined in the POP. TVPH procedures are described below in Subsection 2.2.

Investigations at AOCs 61Z and 63BD are driven by the potential presence of fuel hydrocarbons as a result of fuel oil and waste oil products releases to soil. Soil samples collected at AOCs 61Z and 63BD will be analyzed for TVPH and TEPH using modified USEPA Method 8015A for TVPH and TEPH. Soil samples analyzed for TVPH will be prepared using a methanol extraction as outlined in USEPA Method 5030A and the POP. Methanol extracts will be analyzed using purge and trap GC/FID for the TVPH. Soil samples analyzed for TEPH will be prepared using a methylene chloride micro-extraction technique and direct injection by GC/FID. A summary of target compounds and reporting limits for the soil analyses is presented in Table 1.

Laboratory techniques used for sample preparation for the TEPH method, and calibration and sample quantitation procedures for the TVPH and TEPH methods are outlined in the following sections.

2.1 TEPH Sample Preparation:

Sample analysis and preparation techniques have been adapted from protocols outlined in SW-846 3rd ed. USEPA Methods 3550A (USEPA 1995).

Soil Samples. Weigh 2 grams (± 0.1 g) wet soil into a 12 ml screw cap test tube. Spike the sample mixture with appropriate concentration of surrogate solution. For MS/MSD samples the appropriate aliquot of spike solution is added to the sample. Add approximately 2 grams of anhydrous sodium sulfate, Na_2SO_4 (a drying agent) to the sample. With a Teflon spatula thoroughly mix the sample and sodium sulfate (break the sample up to form a uniform free flowing mixture). Add 10 mL of methylene chloride to the sample.

Shake or vortex vigorously for 3 minutes to mix and extract the sample. The field chemist will pay close attention to the sample extraction to ensure that the soil and solvent are actively mixing during the 3 minute extraction. Allow the sample to stand and separate or centrifuge the sample to separate the solvent phase. Withdraw a the extract solvent and transfer the sample extract to a sample vial and cap, sample is now ready for analysis.

Dilutions. If high concentrations of fuels are suspected, then samples should be analyzed prior to concentration, otherwise the extract can be diluted with methylene chloride to bring the target compound concentrations within the instrument calibration range. To dilute the sample, remove a measured quantity of extract and add to an appropriate volume of extraction solvent. The results of diluted samples will be adjusted for by the dilution factor.

2.2 TVPH and TEPH Instrument Calibration

Initial and continuing calibration will be established for TVPH and TEPH. A commercial gasoline standard will be used for TVPH calibration. A commercial Fuel Oil #2 or diesel standard will be used for TEPH calibration. The retention time markers identified in the MADEP methods to determine the retention times of the TVPH and TEPH determination will be used to define the hydrocarbon molecular weight range of the TVPH and TEPH analyses. The hydrocarbon range quantified in the TVPH analysis will extend from 0.1 minutes before the marker compound pentane to 0.1 minute after naphthalene. The TEPH hydrocarbon range quantified will extend from 0.1 minute before naphthalene to 0.1 minute after hexatriacontane. The concentration of hydrocarbons in standards and samples will be determined based on the total baseline to baseline area response of the standards within the designated retention time windows. A three point initial calibration and continuing calibration will be conducted as outlined in the POP. The concentrations of TVPH and TEPH will be added together to determine the total concentration of petroleum hydrocarbons present at a given sample location.

3.0 Quality Control:

Quality control steps outlined below will be conducted during the field analyses including an MDL study for target compounds, initial and continuing calibrations, method blank extraction and analysis with each sample batch, matrix spikes and field duplicate sample analyses, and evaluation of accuracy using a surrogate standard.

- holding times: Soil: 14 days
Water: 7 days
- Surrogate %R goal of 50% (<30% re-analysis limit)
- MDL study (Appendix B part 136, CFR 40)
- Initial calibration by linear regression (.95) or average response factor (RSD 25%) with low standard at or near reporting limit
- Continuing calibration each day and after 20 samples (30% difference)
- Extraction blank (method blank) with each extraction batch prepared or daily with each purge and trap analytical sequence
- Matrix spike/Matrix spike duplicates will be prepared by spiking 5 percent of samples with target compounds, a commercial gasoline standard, or a commercial diesel fuel standard, as appropriate for each analysis, at approximately the mid-range of the calibration curve. Percent recoveries (%R) and relative percent difference (RPD) will be used to evaluate the accuracy and precision of measurements and to qualify results. Percent recovery goals: 60% to 140%; RPD < 20
- Field duplicates will be submitted to the field laboratory routinely during the program. Relative percent difference of the duplicate results will be used to evaluate the precision

of field measurements and qualify results. RPD goals are 30% for aqueous samples and 50% for soil samples.

4.0 Data Review and Reporting:

The field chemist will review results based on project data quality control goal outlined above. Sample results not meeting data quality control goals will be qualified as outlined below:

Qualification flags for data evaluation

- (J) The J flag is used to indicate estimated data. This can occur when a compound does not meet calibration criteria for initial calibration, continuing calibration, or both.
- (B) The B flag is used when a target compound is detected in an associated method blank. All values within five times of the method blank result are flagged.
- (E) The E flag is used to indicate estimated data. The flag is used when a compound is detected at a concentration that is above the highest calibration standard.
- (S) The S flag is used when the associated surrogate recovery is less than 50%. For soils the surrogate recovery must be greater than 50 percent for results to go unqualified, however, re-analysis will only occur if recoveries are less than 30%.

Matrix spike and field duplicate results will be tabulated and summarized on an ongoing basis during the field program. Results will be used by the field chemist, FOL, and project manager on an ongoing basis to evaluate the usability of results. Associated field sample results presented in the final data reports may be qualified based on the judgment of the field and project chemist.

REFERENCES:

Massachusetts Department of Environmental Protection (MADEP), 1995. "Method for the Determination of Extractable Petroleum Hydrocarbons (TEPH); Division of Environmental Analysis; Office of Research and Standards; Bureau of Waste Site Cleanup; August 1995.

Massachusetts Department of Environmental Protection (MADEP), 1995. "Method for the Determination of Volatile Petroleum Hydrocarbons (TVPH); Division of Environmental Analysis; Office of Research and Standards; Bureau of Waste Site Cleanup; August 1995.

U.S. Environmental Protection Agency (USEPA), 1995. "Test Methods for Evaluating Solid Waste"; Laboratory Manual Physical/Chemical Methods; Office of Solid Waste and Remedial Response; Washington, DC; SW-846; November 1986; Revised January 1995.

ATTACHMENT D-1
TABLE 1
SUMMARY OF TARGET COMPOUNDS AND REPORTING LIMITS
1996 FIELD SCREENING PROGRAM
FORT DEVENS REMEDIAL INVESTIGATION

TARGET ANALYTE	SOIL $\mu\text{G/G}$	WATER $\mu\text{G/L}$
Benzene	0.25	2
Toluene	0.25	2
Ethylbenzene	0.25	4
m/p-xylene	0.5	2
o-xylene	0.25	2
Tetrachloroethene	0.25	2
Trichloroethene	0.25	2
cis-1,2-dichloroethene	0.25	2
trans-1,2-dichloroethene	0.25	2
Vinyl chloride	0.25	2
1,2-dichlorobenzene*	0.25	2
1,3-dichlorobenzene*	0.25	2
1,4-dichlorobenzene*	0.25	2
Naphthalene*	0.25	2
TVPH	6.25	50
TEPH	100	NA
TPH-IR	50	NA

Notes:

NA = soil not analyzed

$\mu\text{g/g}$ = microgram per gram

$\mu\text{g/L}$ = microgram per liter

* Added to target list part way through field program

1996 OFF-SITE LABORATORY DATA

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D.1.0 INTRODUCTION

This Data Quality Report (DQR) provides a detailed data quality assessment for off-site analytical data generated during site investigations conducted at Fort Devens during the fall of 1996 at Areas of Concern (AOCs) 57 and 69W.

Samples collected during the investigation were submitted to Environmental Science and Engineering (ESE), Gainesville, Florida. All laboratory data generated during the sampling programs were reviewed in terms of Data Quality Objectives (DQOs) established in the Fort Devens Project Operations Plan (POP) (ABB-ES, 1995), published analytical methods (USEPA, 1990; USEPA 1994) or applicable USEPA data validation guidelines (USEPA, 1988; USEPA 1989). DQOs refer to a set of qualitative and quantitative statements that assess the data generated during the sampling and analysis phases of the project. The DQOs are defined by the parameters of precision, accuracy, representativeness, completeness, and comparability (PARCC). These parameters present an indication of the data quality, and the confidence that a particular compound may be present or absent in an associated environmental sample. This report describes the analytical methods performed at the on-site and off-site laboratories, and presents an assessment of data quality and usability for samples collected during the fall 1996 field investigation.

D.1.1 OFF-SITE LABORATORY ANALYTICAL METHODS

Subsurface soil and groundwater samples were collected during the 1996 Fort Devens Site Investigation. Samples were analyzed for chemical parameters on the Fort Devens Project Analyte List (PAL). The analytical methodologies performed include PAL inorganics, PAL volatile organic compounds (VOCs), PAL semivolatile organic compounds (SVOCs), PAL pesticides and polychlorinated biphenyls (PCBs). In addition samples were analyzed for total petroleum hydrocarbons (TPHC), and several water quality parameters including hardness, nitrate and nitrite-nitrogen, kjeldahl-nitrogen, total phosphate, total organic carbon (TOC), total dissolved solids (TDS) and total suspended solids (TSS). The analyses performed are summarized on Table D-1.

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The USEPA has identified two general levels of analytical data quality, Screening with Definitive Confirmation and Definitive Data (USEPA, 1993). All off-site laboratory data are considered Definitive Data.

The contract laboratory which completed analyses of all off-site analytical samples was Environmental Science and Engineering (ESE), Gainesville, Florida. Analyses were completed implementing the 1990 U.S. Army Toxic and Hazardous Materials Agency (USATHAMA) QA Program (USATHAMA, 1990). Method performance demonstration, data management, and oversight for USATHAMA analytical procedures are currently performed by the U.S. Army Environmental Center (USAEC). A discussion of AEC-certified methods used by ESE Laboratories for samples collected at Fort Devens is provided in Section 7.0 of the Fort Devens POP (ABB-ES, 1995), and methods are listed in Table D-1. This table includes a description of the methods used as well equivalent EPA methods, where they exist. The USAEC method numbers (i.e., method JS16) are specific to the project and to the particular laboratory performing the analyses. For some analyses standard USEPA methods are used. The methods are also indicated in Table D-1.

A detailed discussion of the USAEC laboratory QA program is presented in Section 3.0 of this RI. The laboratory must document proficiency using each of the methods by meeting strict USAEC performance protocols. Once the laboratory has demonstrated this proficiency, they become certified to perform that particular method. It is through this certification process that certified reporting limits (CRLs) are established. CRLs for USAEC methods and reporting limits (RLs) for standard USEPA methods are presented in Table D-1 and in Appendix B of the Fort Devens POP (ABB-ES, 1995).

Samples collected from AOC 612 and 69W were also analyzed for petroleum hydrocarbon analysis using methods developed by the Massachusetts Department of Environmental Protection (MADEP, 1995a; MADEP, 1995b) for volatile petroleum hydrocarbons (VPH) and Extractable Petroleum Hydrocarbons (EPH). Results of these analyses were used to provide more detail on the chemical composition of hydrocarbons present. Analyses were performed by Groundwater Analytical, Inc., Buzzards Bay. A summary of the data quality review of VPH and EPH results is presented in Attachment D-1.

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D.2.0 OFF-SITE LABORATORY QUALITY CONTROL BLANK RESULTS

A review was completed on QC blanks including method blanks, rinse blanks and trip blanks analyzed at the off-site laboratory. Blank samples provide a measure of contamination that may have been introduced into a sample set either (1) in the field while samples were being collected or transported to the laboratory, or (2) in the laboratory during sample preparation and analysis. This discussion is intended to provide an evaluation of data generated at this laboratory based on method blank and field quality control data.

D.2.1 METHOD BLANKS

Method blanks were analyzed at the laboratory with each lot of samples to evaluate if sample processing and analysis resulted in sample contamination. Method blanks were performed for both water and soil samples for the following chemical classes: inorganics, VOCs, SVOCs, pesticides/PCBs. Method blanks were also analyzed using USEPA methods for hardness, TOC, TPHC, TDS, and TSS. All method blank data from the AOC 57 and 69W Fort Devens Site Investigation conducted in the fall of 1996 are presented in Table D-2.

D.2.1.1 Inorganics

Seven aqueous method blanks (one for each IRDMIS inorganic method) were analyzed by the laboratory for PAL inorganics during the 1996 Field Investigation. All results for aqueous method blanks were below the respective CRLs indicating there was no inorganic contamination introduced at the laboratory.

One soil method blank, representing one for each IRDMIS inorganic method, was analyzed in association with field samples from the 1996 Fort Devens Investigation. Several elements were detected in soil method blanks. The frequency and concentration ranges of elements detected in these blanks are summarized in Table D-3. Results for mercury, selenium, arsenic thallium, antimony, silver, beryllium, cadmium, chromium, cobalt, sodium, molybdenum, nickel, vanadium, and zinc were below the CRLs.

Soil method blank analyses were conducted using a USAEC approved soil as the matrix. The concentrations of the detected inorganics are due to background

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levels inherent in this soil. As a result, elements reported for soil method blanks are not interpreted to represent laboratory introduced contamination.

Based on soil and aqueous method blank results, significant inorganic contamination was not introduced during laboratory handling and analysis.

D.2.1.2 VOCs

Method blanks were run with each lot of water and soil samples to determine if VOCs were introduced during laboratory handling and analysis. Three aqueous method blanks were analyzed during the 1996 Field Investigation. All aqueous results for target VOCs were below CRLs. Three soil method blanks were analyzed for VOCs during the 1996 Field Investigation. All method blank results were at concentrations below the CRLs with the exception of acetone, methylene chloride, and trifluorochloromethane. The concentration and frequency of detection for these compounds are shown in Table D-4.

Acetone, methylene chloride, and trichlorofluoromethane, a tentatively identified compound (TIC), are considered common laboratory contaminants (USEPA, 1988) and were likely introduced during laboratory handling. These results indicate that low concentrations of acetone, methylene chloride, and trifluorochloromethane may have been introduced during laboratory handling. Field samples with similar concentrations of these compounds may not be representative of site conditions.

D.2.1.3 SVOCs

Two aqueous method blanks were analyzed for SVOC contamination during the 1996 Field Investigation. All method blank results were at concentrations below the CRLs.

Three method blanks for soil were analyzed for SVOC contamination during the 1996 Field Investigation. The concentrations and frequency for compounds detected in soil method blanks are outlined in Table D-5. All target SVOC results for soil method blanks were at concentrations below CRLs. Dioctyl adipate (hexanedioic acid dioctyl ester) and heptacosane, which are non-target SVOCs or TICs, were detected in soil method blanks.

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D.2.1.4 Pesticide/PCB

Two aqueous method blanks and two soil method blanks were used to determine if pesticides and PCB compounds were introduced during laboratory preparation and handling. All PCB method blank results were at concentrations below CRL values indicating no sample contamination occurred. The pesticide malathion was detected in water method blanks and the pesticides alpha-chlordane and gamma-chlordane were detected in soil method blanks. The concentration and frequency of detection of these pesticides in water and soil method blanks are shown in Tables D-6 and D-7, respectively. Samples with similar concentrations of these compounds in the media in which they were detected may not be representative of site conditions.

D.2.1.5 TPHC

Several analytical methods were used to measure and characterize petroleum hydrocarbons. During the 1996 Field Investigation, two water method blanks were analyzed for total petroleum hydrocarbons (TPHC) by USEPA Method 418.1; two soil method blanks were analyzed for TPHC as diesel, gasoline and aviation gasoline by USEPA Method 8015; and three soil method blanks were analyzed for TPHC using USEPA Method 9071. All method blank results from the 1996 Field Investigation were below the corresponding CRLs. Based on method blank results, the off-site laboratory is not a significant source of TPHC contamination for the Fort Devens field samples.

D.2.1.6 USEPA Methods for Water Quality Parameters

Method blanks were analyzed in association with USEPA methods for the following water quality parameters: nitrate and nitrite-nitrogen, kjeldahl-nitrogen, total phosphate, hardness, TOC, TDS, and TSS. No positive detections above RLs were reported in any of the above methods.

Based on method blanks results for samples analyzed by USEPA methods, the data collected during the Fort Devens Site Investigation was not impacted by laboratory contamination.

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D.2.2 FIELD QUALITY CONTROL BLANKS

Field quality control samples which were analyzed at the off-site laboratory include, rinse blanks, and trip blanks. Results from analyses of the field quality control blanks were used to evaluate the potential for contamination of samples during collection, and shipment and processing at the off-site laboratory.

D.2.2.1 Rinse Blanks

Rinse blanks were used to evaluate the potential for field sampling contamination of site samples. Rinse blanks were collected by pouring deionized water over sampling equipment and into sample containers. The rinse blanks collected during the 1996 Fort Devens Investigation were analyzed for the following chemical classes: PAL inorganics, SVOCs, and PCBs. Rinse blanks were also analyzed by USEPA methods for TOC and TPHC. All rinse blank data collected during the 1996 investigation have been tabulated and are presented in Table D-8.

Inorganics. One rinse blank was analyzed for a subset of PAL elements analyzed by graphite furnace (mercury, thallium, lead, selenium, arsenic, and antimony) during the 1996 Field Investigation. These elements were not detected at concentrations above the CRLs. Rinse blank data for PAL elements analyzed by ICP were not reported. In general, the rinse blank data indicate that decontamination procedures were effective in the removal of residual inorganic contamination from the sampling equipment.

SVOCs. One rinse blank was collected during the 1996 Field Investigation and analyzed for SVOC contamination. With the exception of bis(2-ethylhexyl) phthalate detected at 12 $\mu\text{g/L}$, all results for target SVOCs were at concentrations below CRLs. The USEPA Region I considers phthalates as common laboratory contaminants (USEPA, 1988), however, phthalates were not detected in the method blanks collected during this investigation. The presence of phthalates in rinse blanks may be attributed to sampling activities. Detection of bis(2-ethylhexyl)phthalate in Fort Devens field samples at concentrations similar to those detected in rinse blanks may be related to field sampling or decontamination procedures.

Pesticides/PCBs. One rinse blank was analyzed for PCBs during the 1996 Field Investigation. All results reported for PCBs in rinse blanks were below CRLs.

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The lack of PCBs detected in rinse blanks indicates there is no evidence of cross contamination during field sampling. Rinse blank samples were not submitted for pesticide analysis during this investigation.

USEPA Methods. During the 1996 Field Investigation, one rinse blank was analyzed for TOC and all results were at concentrations below the reporting limit of 1000 $\mu\text{g/L}$. Six rinse blanks were analyzed for TPHC. Concentrations of TPHC in the rinse blank was below the reporting limit of 181 $\mu\text{g/L}$, as well as TPH as gasoline and diesel (reporting limit of 340 $\mu\text{g/L}$). These data indicate contamination of TOC and TPHC during field sampling did not occur.

D.2.2.2 Trip Blanks

Trip blanks are analyzed to assess the potential for cross contamination of VOCs during sampling, transit, and storage. The trip blank consists of a VOA sample container filled at the contract laboratory with DI/carbon filtered water and shipped to the site with the other VOA sample containers. Trip blanks were included with each shipping container of field VOC samples. No VOCs were detected in three trip blanks indicating cross contamination of VOCs during shipment or handling did not occur. Trip blank data collected during the 1996 investigation are presented in Table D-9.

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D.3.0 ACCURACY OF OFF-SITE LABORATORY DATA

Accuracy is a quantitative parameter that determines the nearness of a result to its true value. Accuracy measures the bias in a measurement system. The accuracy of each analytical method was evaluated based on percent recoveries for matrix spikes and/or surrogate standards.

A matrix spike is a sample of a particular matrix to which predetermined quantities of standard solutions of certain target analytes were added prior to sample extraction/digestion and analysis. Samples were split into replicates, one replicate was spiked and both aliquots were analyzed.

Accuracy was also evaluated using the recovery of surrogate standards in the volatile and semivolatile analyses, and for pesticides and PCBs. Surrogate standards are organic compounds which are similar to the analytes of interest in chemical composition, extraction, and chromatography, but which are not normally found in environmental samples. These compounds are spiked into all samples prior to analysis.

Percent recovery of matrix spikes and surrogate spikes provide an indication of data accuracy and potential data bias from matrix related effects. Percent recovery was calculated using the equation shown in Section 3.3 of the Fort Devens POP (ABB-ES, 1995).

D.3.1 MATRIX SPIKES

Soil and groundwater samples were used for matrix spike and matrix spike duplicate analyses. Spiked samples were analyzed for hardness, nitrate and nitrite-nitrogen, kjeldahl-nitrogen, total phosphate, TPHC, TOC, PAL inorganics, and PAL pesticide/PCBs. Matrix spike and matrix spike duplicate (MS/MSD) samples were collected at a rate of one per twenty environmental samples. A summary of all MS/MSD data collected during the Fort Devens Site Investigations are presented in Table D-10.

The spike data for samples of a specific matrix and analytical method were evaluated together, and are discussed below as one data set. The data have been

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segregated by method and by analytical parameter to show recovery trends of the individual spiked analytes. In the tables, matrix spikes have been paired with the corresponding matrix spike duplicates to make recovery and RPD comparisons. The average recoveries, and maximum and minimum recoveries for groundwater samples and soil are presented to measure trends for each particular method. The criteria used for interpreting MS/MSD data are taken from analytical USEPA CLP protocols (USEPA, 1990; USEPA, 1994) and the Fort Devens Project Operations Plan (ABB-ES, 1995).

D.3.1.1 Inorganics

Matrix spike analysis was completed all PAL elements. The USEPA CLP guidelines specify control limits for recoveries of inorganic MS/MSDs of 75% and 125% (USEPA, 1990). The majority of PAL elements had recoveries within the USEPA control limits. A subset set of elements had recoveries outside these limits. Elements with at least one MS/MSD recovery outside USEPA CLP limits are presented in Table D-11.

Groundwater. The following groundwater samples from AOC 57 were spiked with target elements: MX5703X3 and MX5710X1. All elements had recoveries within the USEPA CLP limits indicating that groundwater data for inorganics was not significantly influenced by matrix effects.

Soil. One soil MS/MSD sample from AOC 57 (BX570905) was analyzed for PAL inorganics. For the elements aluminum and iron, all matrix spike concentrations were low relative to concentrations already present in the sample. For example, the spike concentration for aluminum was approximately 230 $\mu\text{g/g}$ compared with the sample concentration of 5610 $\mu\text{g/g}$. The spike concentration for iron was approximately 1,200 $\mu\text{g/g}$ while the sample concentration was 6410 $\mu\text{g/g}$. The USEPA Region I Data Validation Guidelines (USEPA, 1989) specify spike concentrations be greater than four times the sample concentration for data qualification actions to apply. Since the spike concentrations for aluminum and iron were insignificant relative to sample concentrations, matrix spike recoveries could not be accurately assessed. Based on these results, results for aluminum and iron in soil are not qualified in this RI.

For the elements mercury, arsenic, and manganese the MS/MSD recoveries were below the acceptable USEPA CLP recovery ranges. The frequency at which the

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MS/MSD recoveries were outside the USEPA CLP limits, and the corresponding recovery ranges are shown in Table D-11. The outlier recoveries ranged from 52.7% to 74.7%. Outlier recoveries may have been obtained as the result of non-homogeneous concentrations throughout the sample matrices or from matrix interference. Overall, usable results were obtained for all PAL inorganics. The MS/MSD data for soil suggests that there may be some matrix interference in soil samples with detected concentrations of mercury, arsenic, and manganese. Results for mercury, arsenic, and manganese in soil samples should be considered estimated and may be biased low.

D.3.1.2 Pesticides/PCBs

Pesticide and PCB compounds were spiked into groundwater samples to evaluate method accuracy. Ten target pesticide and two PCB compounds were used for spiking including endosulfan I, endosulfan II, aldrin, dieldrin, endrin, heptachlor, isodrin, lindane, methoxychlor, 4,4'-DDT, aroclor 1016, and aroclor 1260. Percent recoveries for pesticides were compared to the USEPA CLP control limits (USEPA, 1994) to determine if results were acceptable. The USEPA CLP guidelines do not specify limits for spike recoveries of endosulfan I, endosulfan II, isodrin, methoxychlor, and PCBs. For these compounds, the surrogate recovery control limits of 30% to 150% specified in the USEPA CLP Guidelines (USEPA, 1994) were used as guidance in evaluating spike recoveries.

Groundwater. One groundwater sample from AOC 57 (MX5703X3) was spiked with target pesticides and PCBs. The spike recoveries of pesticides and PCBs were within USEPA limits with the exception of lindane. The percent recoveries for lindane were 37% and 36%, below the USEPA control limit of 46%. Lindane was not detected in any groundwater samples. Based on these data, lindane reporting limits for groundwater samples collected during this RI may be biased low. Acceptable recoveries for all other pesticide and PCBs indicate there was no matrix effects and the data is acceptable.

D.3.1.3 USEPA Methods

Matrix spike recoveries for water quality parameter analyzed by USEPA methods were evaluated for groundwater. The matrix recoveries for soil were also evaluated for TOC, TPH as gasoline and diesel, and TPHC.

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For water quality parameters of hardness, nitrate and nitrite-nitrogen, kjeldahl-nitrogen, and total phosphate, the USEPA CLP control limits for inorganic spikes (75% - 125% recovery) were used for guidance. Professional judgement was used when evaluating the organic parameters TOC and TPHC. The MS/MSD recoveries for these parameters were evaluated on a sample by sample basis and are discussed below.

Groundwater. One groundwater sample from AOC 57 (MX5703X3) was spiked for hardness, nitrogen and phosphate for matrix evaluation. Spike sample recoveries for total phosphate, nitrate and nitrite-nitrogen, and kjeldahl-nitrogen were within the established control limits indicating good accuracy.

According to the data downloaded from IRDMIS, percent recoveries for hardness reported for Lot ZKGN exceeded the control limits. However, the high recoveries are believed to be erroneous due to a unit conversion error samples in this lot. Corrective action for this discrepancy is currently ongoing. Qualification groundwater data based on spike recoveries was not conducted.

Soil. Two MS/MSD soil samples (EX573106 and BX570905) from AOC 57 were spiked and analyzed for matrix effects on concentrations of TPH as diesel and gasoline by USEPA Method 8015. The spike recovery range for these samples was 69.7% to 134.2%. Based on these results, recoveries are within an acceptable range for TPHC data analyzed by USEPA Method 8015.

A total of three spiked soil sample pairs were analyzed for TPHC by USEPA Method 9071. These samples included two soil samples from AOC 57 (EX573106 and BX570905) and one from AOC 69W (BXZW0310). Spike recoveries ranged from 95.4% to 100.1% with the exception the MS recovery in AOC 57 soil sample EX573106. The MS and MSD recoveries reported for this sample were 2.5% and 4.0%, respectively. The low spike recovery reported in sample EX573106 is attributed to sample heterogeneity between the spike and unspiked samples and no site wide qualification of TPHC results was done. TPHC results in sample EX573106, are considered estimated and biased low. Sample EX573106 had 18,300 µg/g of TPHC reported in the original sample.

One soil sample (BX570914) from AOC 57 was spiked for TOC analysis. The recovery of this spiked sample was 92.2% and 107.6% in the MS and MSD fractions, respectively, indicating acceptable method performance.

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D.3.2 SURROGATE RECOVERIES

In addition to matrix spikes, the recovery of surrogate standards were also used to assess matrix effects and accuracy of the analytical data. Surrogate standards were used for VOC, SVOC, pesticide and PCB analyses and were added to all soil and groundwater samples prior to analysis.

D.3.2.1 SVOC

The SVOC surrogate standards used to evaluate matrix effects and analytical accuracy included 2-fluorophenol, phenol-D6, 2,4,6-tribromophenol, nitrobenzene-D5, 2-fluorobiphenyl, and terphenyl-D14. Recovery criteria for these surrogates, are taken from analytical USEPA CLP protocols (USEPA, 1994) and the Fort Devens Project Operations Plan (ABB-ES, 1995) and are presented Table D-12. All SVOC surrogate recovery data for the 1996 Fort Devens Site Investigations are presented in Table D-13.

Interpretations on data usability were based on guidance outlined in the USEPA Region I Functional Guidelines for Data Validation (USEPA, 1988). According to this guidance SVOA sample results are judged based on independent evaluations of surrogate recoveries for acid fraction compounds and base-neutral compounds. Each fraction has three surrogates. The acid fraction surrogates include 2-fluorophenol, phenol-D6, and 2,4,6-tribromophenol. The base-neutral surrogate standards include nitrobenzene-D5, 2-fluorobiphenyl, and terphenyl-D14. SVOA positive results are considered estimated values if two or more surrogates in either the acid or base-neutral fraction are outside the recovery limits. Positive results are considered estimated values and negative (non-detect) results are considered as unusable (rejected) if any surrogate is less than ten percent recovery for the associated fraction.

All SVOA samples were evaluated using the criteria outlined above. Sample results were identified as usable, estimated, or rejected based on the USEPA Region I Guidelines. Data bias was identified if trends in surrogate recoveries for individual samples indicated low or high bias.

Groundwater. All SVOC results for groundwater samples meet the USEPA surrogate standard recovery guidelines and are considered acceptable. Qualification of the groundwater data was not required.

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Soil. Four soil samples had recoveries of surrogate standards outside the USEPA CLP guidelines shown in Table D-12. However, qualification of data was not required because there was only one surrogate outlier from either acid or base-neutral fractions. All SVOC results for soil samples are considered acceptable based on surrogate standard recoveries.

D.3.2.2 VOCs

All VOC surrogate recovery data for the Fort Devens Site Investigations are presented in Table D-14. Surrogate standards used for volatile organics include 1,2-dichloroethane-D4, 4-bromoflourobenzene, and toluene-D8. The criteria used for interpreting surrogate data are taken from analytical USEPA CLP protocols (USEPA, 1994) and the Fort Devens Project Operations Plan (ABB-ES, 1995) and are presented in Table D-15. Interpretations on data usability were based on guidance outlined in the USEPA Region I Functional Guidelines for Data Validation (USEPA, 1988). According to the guidelines, positive results are considered estimated values if one or more surrogate standard per sample is outside the recovery limits. If any surrogate standard is recovered at less than ten percent, positive results are considered estimated values and non-detect results are rejected and considered unusable.

All VOC samples were evaluated using the criteria outlined above. Sample results were identified as usable, estimated, or rejected based on the USEPA Region I Guidelines. Data bias was identified if trends in surrogate recoveries for individual samples indicated low or high bias.

VOC soil and groundwater surrogate recovery data indicate the overall accuracy of the GC/MS method used for VOC analyses was acceptable.

Groundwater. The surrogate recoveries for groundwater samples at AOCs 57 and 69W were evaluated for matrix effects and accuracy of the analytical data. All groundwater had surrogate recoveries within the USEPA CLP criteria indicating acceptable method performance. Qualification of groundwater data was not required.

Soil. The recovery of surrogate standard 1,2-Dichloroethane-D4 in soil sample BX571010 from AOC 57 exceed the upper control limit. The surrogate recovery was 126%. Detected concentrations of VOCs in this sample would be qualified as

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estimated and potentially biased high based; however, no VOC were detected in this sample.

The recovery of surrogate standard 4-bromoflourobenzene in soil samples EX572810 and EX573006 from AOC 57 exceeded the upper control limit. The recoveries were 176% and 182%, respectively, compared to the upper control limit of 121%. Positive results for 2-hexanone, ethylbenzene, tetrachloroethene, and xylenes in sample EX572810 and 2-hexanone and xylenes in sample EX573006 are judged as estimated and biased high based on elevated surrogate recoveries.

D.3.2.3 Pesticide/PCBs

All pesticide surrogate recovery data for the Fort Devens Site Investigations are presented in Table D-16. Surrogate standards used for pesticide and PCB analyses include tetrachlorometaxylene and decachlorobiphenyl. The surrogate recovery control limits of 30% to 150% specified in the USEPA CLP Guidelines (USEPA, 1994) were used as guidance in evaluating surrogate spike recoveries in soil and groundwater samples.

Interpretations on data usability were based on guidance outlined in the USEPA Region I Functional Guidelines for Data Validation (USEPA, 1988). According to the guidelines, professional judgement should be used to determine if recoveries reported below or above the control limits require qualification. All Pesticide and PCB sample data were evaluated using this criteria. Sample results were identified as usable, estimated, or rejected based on the USEPA Region I Guidelines.

Groundwater. The pesticide and PCB surrogate recoveries for groundwater samples at AOCs 57 and 69W were evaluated for matrix effects and accuracy of the analytical data. All surrogate recoveries for tetrachlorometaxylene were within the USEPA CLP control limits and are considered acceptable.

Several groundwater samples had recoveries of decachlorobiphenyl below the USEPA control limits. The outlier recoveries for this surrogate standard ranged from 13.9% to 18.4% for the PCB method and 14.6% to 28.6% in the pesticide method. Low recoveries for decachlorobiphenyl were reported for the following AOC 57 samples: MD5711X1, MX5711X1, MX5712X1 from the PCB fractions

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and; MX5713X1, MX5703X3 from the pesticide fraction. Reporting limits and detected concentrations results for pesticides and PCBs in these samples would be qualified as estimated and potentially biased low based on low surrogate recoveries. Pesticides and PCBs were not detected in these soil samples, and reporting limits are considered estimated.

Soil. All surrogate recoveries reported for the pesticide method in soil samples were within the USEPA CLP control limits and are considered acceptable. Outlier RPDs for both surrogate standards, tetrachlorometaxylene and decachlorobiphenyl, were reported for the PCB method for AOC 57 soil samples.

Samples with decachlorobiphenyl recoveries below the control limit included AOC 57 samples EX572810, EX573006, and EX573106. The surrogate recoveries in these samples were 15%, 15%, and 19.6%, respectively. Based on these results, Aroclor 1242 and Aroclor 1248 in these three samples and Aroclor 1260 in sample EX572810 are considered estimated and potentially biased-low values.

Soil samples BX570805, BX570905, BX570800, BX570805, and had high surrogate recoveries of decachlorobiphenyl. The recoveries for these samples ranged from 157.4% to 182.9%. Based on these results, Aroclor 1242 and Aroclor 1248 in these four soil samples are considered estimated and potentially biased-high values.

All other soil samples had surrogate recoveries within the USEPA CLP guidelines and are considered acceptable.

D.4.0 PRECISION

Precision is a measure of the reproducibility of the analytical results under a given set of conditions. It is a quantitative measure of the variability of a group of measurements compared to their average value. Precision is measured as the relative percent difference (RPD) between a sample and its duplicate, as is calculated for field duplicate samples, and matrix spike/matrix spike duplicate samples. The following equation is used to calculate the RPD.

$$RPD = 100 \times \frac{D_1 - D_2}{0.5(D_1 + D_2)}$$

D_1 and D_2 are the reported concentrations for sample duplicate analyses.

When evaluating precision for organic analyses, the RPDs of the field duplicates are compared to the acceptance criteria of 50% RPD for soil matrices and 30% RPD for water matrices (USEPA, 1988). In cases where one organic result is non-detect, the CRL value was used to calculate the RPD. The acceptance criteria for inorganic analysis for field duplicate samples only applies to analytes that are greater than 5 times the CRL (USEPA, 1989).

Precision is also evaluated by comparison of MS and MSD results. The USEPA CLP control limits were used to evaluate duplicate precision between MS and MSDs. In cases where USEPA CLP control limits for spikes are not available, such as inorganics and various USEPA analytical methods, the control limits for field duplicates listed above were used as guidance.

A discussion of the RPDs for field duplicates is presented below in Section D.4.1, and the RPDs for MS/MSDs are presented in Section D.4.2.

D.4.1 OFF-SITE LABORATORY FIELD DUPLICATE RESULTS

Field duplicate samples from AOCS 57 and 69W at Fort Devens were collected to measure the sampling and analytical precision for the analyses performed at the off-site laboratory. Soil and groundwater duplicate samples were analyzed for the

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following Fort Devens PAL analytes: inorganics; VOCs; SVOCs; pesticide and PCBs, and TPH. Groundwater field duplicate samples were also analyzed for various water quality parameters including hardness, phosphate and nitrogen and soil duplicate samples were analyzed for TOC and TPHC.

All field duplicate data collected during the 1996 Fort Devens Site Investigation is shown in Table D-18. The RPD has been calculated for each pair of field duplicates.

D.4.1.1 Inorganics

An analysis of the precision of the inorganic duplicate data was completed for each PAL element.

Groundwater. One sample duplicate pair (MX5711X1 and MD5711X1) from AOC 57 was collected. The RPDs of inorganic concentrations for duplicates ranged from 1.5% to 21.6% indicating excellent sampling and analytical precision. All field sample duplicate RPDs were within the USEPA Region I limits.

Soil. One sample duplicate pair from AOC 57 was collected. Calcium was the only element for which the duplicate RPD (78.5%) exceeded the USEPA Region I control limit of 50% RPD. In general, the RPDs between field duplicates indicated good precision. Soil sample data for inorganic elements was considered acceptable based on duplicate precision results.

D.4.1.2 VOCs

Groundwater. One groundwater sample field-duplicate from AOC 57 was collected. Detected target compounds included 1,2-DCE, ethylbenzene, toluene, trichloroethene, and tetrachloroethene. The RPDs ranged from 0% to 18.4% and were well within the USEPA Region I guidelines (30%). The duplicate data for VOCs indicate good precision of the aqueous VOC concentrations.

Soil. One sample duplicate pair from AOC 57 was collected. With the exception of methylene chloride and 1,1,2-trichloro-1,2,2-trifluoroethane, there were no target VOCs detected in groundwater sample duplicates. The RPDs for all VOC results were below the USEPA Region I limit (50%) with the exception of methylene chloride at 79.1% RPD. However, methylene chloride is considered a

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common laboratory contaminant so its presence in these samples may not be site related. No qualification of the precision of results was performed.

D.4.1.3 SVOCs

Groundwater. The RPD for duplicates for one groundwater sample pair from AOC 57 was evaluated. Most target SVOCs concentrations were reported as non-detect in both the sample and sample duplicate, resulting in acceptable agreement between results. Target SVOCs detected include 1,2,3-trimethylbenzene, 1,2-dichlorobenzene, 1-ethyl-4-methylbenzene, naphthalene, and bis(2-ethylhexyl)phthalate. RPDs for 1,2-dichlorobenzene, 1-ethyl-4-methylbenzene, and naphthalene were within limits ranging from 10.5 to 27.6. The sample duplicate RPD for 1,2,3-trimethylbenzene in samples MX5711X1 and MD5711X1 was 46.2%, exceeding the precision control limit of 30%. The concentration of 1,2,3-trimethylbenzene in sample MX5711X1 is considered an estimated value. The outlier RPD for bis(2-ethylhexyl)phthalate is not considered significant because this compound is a considered a potential laboratory contaminant.

Soil. The RPDs of SVOC concentrations for one duplicate soil sample from AOC 57 was evaluated. The samples evaluated were BX571110 and duplicate sample BD571110. There were no target SVOCs detected in either soil sample indicating excellent agreement for non-detected target compounds.

D.4.1.4 Pesticide/PCBs

Groundwater. One groundwater field duplicate was collected from AOC 57. The samples evaluated were MX5711X1 and duplicate sample MD5711X1. All results were reported as non-detect indicating excellent agreement for non-detected target compounds.

Soil. One field duplicate soil sample was collected from AOC 57 for pesticides and PCBs. The samples evaluated were BX571110 and duplicate sample BD571110. All results were reported as non-detect indicating excellent agreement for non-detected target compounds.

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D.4.1.5 Other Methods

An evaluation of duplicate results for various water quality parameters obtained using non-USAEC performance demonstrated methods was conducted. Duplicate soil samples were analyzed for TOC and TPHC. A discussion of precision between sample duplicates analyzed for these parameters is presented below.

Groundwater. Two groundwater duplicate samples, representing one sample from each AOC were evaluated. The RPD reported for hardness for groundwater sample MX5711X1 and the sample duplicate MD5711X1 from AOC 57 was 34.2%, just above the USEPA Region I control limit of 30%. However, the RPDs for the other groundwater duplicate pair was 3.1% indicating excellent precision. As discussed in Section D.3.1.3, the data downloaded from IRDMIS shows hardness concentrations for samples in Lot ZKGN that are believed to be erroneous due to a unit conversion error. Corrective action for this discrepancy is currently ongoing.

Additional parameters evaluated for precision in groundwater include TSS, TPHC, total phosphate, nitrate and nitrite-nitrogen, and nitrogen by the kjeldahl method. With the exception of TSS data, all results had RPDs within control limits demonstrating consistency for the method and matrix. The RPD for TSS in groundwater sample MDZW19X1 and the sample duplicate MXZW19X1 from AOC 69W was 66.7%. Concentrations of TSS were only slightly greater than the RLs, and no qualification of data usability was done. The RPD for the other groundwater duplicate pair was 3.9%, indicating acceptable precision.

Soil. Soil sample duplicate pairs BX571110 and BD571110 from AOC 57, and samples BXZW0306 and BDZW0306 from AOC 69W were evaluated for precision of TPHC (Method 9071) data. The TPHC results for the soil sample and duplicate pair from AOC 57 were 35.4 $\mu\text{g/g}$ and a non-detect value of less than 27.8 $\mu\text{g/g}$. Similarly, the TPHC results in the AOC 69W sample duplicate pair were 57.5 $\mu\text{g/g}$ and less than 20.9 $\mu\text{g/g}$. Variability of results found in this soil sample duplicate pair may be attributed to sample heterogeneity. These results indicate variability of TPHC at concentrations at or near the reporting limits, and that TPHC results in soil should be considered estimated.

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D.4.2 OFF-SITE LABORATORY SPIKE DUPLICATE RESULTS

All spike duplicate data and the corresponding RPDs for the 1996 Fort Devens Site Investigation are presented in Table D-10. The RPDs for spike duplicates were calculated for hardness, TPHC, TOC, inorganics, and pesticide/PCBs. The results were compared to the USEPA CLP control limits (USEPA, 1988) to determine if results were acceptable. Samples with RPDs for spike samples outside control limits are discussed below. For most fractions which exhibited RPDs outside the established QC limits, qualification of the data was not required.

D.4.2.1 Inorganics

Elements were spiked into groundwater, surface water, soil and sediment samples to evaluate precision. The USEPA CLP guidelines do not specify limits for spike RPDs for elements. As a result, the RPD control limits for laboratory duplicates of 25% in water samples and 35% in soil samples specified in the USEPA Region I Guidelines (USEPA, 1988) were used as guidance.

Groundwater. Two groundwater samples from AOC 57, MX5710X1 and MX5703X3 were evaluated for precision based on spiked samples. The RPDs for elements in spiked groundwater samples ranged from 0.2% to 10.5%. These results were within the USEPA guidelines indicating acceptable precision between results.

Soil. Soil sample BX570905 from AOC 57 were assessed for spike duplicate precision. The RPDs for all elements ranged from 0.1% to 12.4% with the exception of iron and aluminum. Aluminum and iron RPDs were 193.6% and 198.1%, respectively. However, as discussed in Section D.3.1.1, the spike concentrations low relative to the concentrations present in the unspiked sample making the comparison invalid. The RPD results for elements in soil samples were considered acceptable indicating good method performance.

D.4.2.2 Pesticides/PCBs

Pesticide and PCB compounds were spiked in duplicate into groundwater and soil samples to evaluate precision. Nine target pesticide and two PCB compounds were used as spikes including endosulfan I, endosulfan II, aldrin, dieldrin, endrin,

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heptachlor, isodrin, lindane, methoxychlor, 4,4'-DDT, aroclor 1016, and aroclor 1260. The USEPA CLP control limits for pesticides are shown in Table D-17. The USEPA CLP guidelines do not specify limits for spike RPDs for endosulfan I, endosulfan II, isodrin, and PCBs. For these compounds, the RPD control limits for field duplicates of 30% in water samples specified in the USEPA CLP Guidelines (USEPA, 1994) were used. Spiked soil samples were not analyzed for pesticides and PCBs during this investigation.

Groundwater. One groundwater sample MX5703X3, from AOC 57, was spiked with target pesticides and PCBs. The RPDs for pesticides ranged from 0.3% to 18.9% and PCBs ranged from 5.1% to 17.2%. These results were all within the USEPA control limits described above. These results indicate excellent precision between sample results.

D.4.2.3 Other USEPA Methods

Precision for spiked samples was also evaluated for various water quality parameters including hardness, total phosphate, nitrate and nitrite-nitrogen, and kjeldahl-nitrogen in water samples, and TPHC and TOC in soil samples. USEPA CLP guidelines for evaluating spike duplicate RPDs for these parameters are not available. The USEPA Region I control limits for field duplicates 30% in water and 50% in soil were used to compare RPDs between spiked samples.

Groundwater. One groundwater sample MX5703X3 from AOC 57 was spiked in duplicate for the water quality parameters listed above to evaluate precision. All RPDs between the MS and MSDs were less than the 30% control limit indicating excellent method performance.

Soil. Soil samples from AOC 57 (BX570914) were spiked in duplicate for TOC to evaluate precision. Samples EX573106, BX570905 from AOC 57, and BXZW0310 from AOC 69W were spiked in duplicate for TPHC analysis by USEPA Method 9071. All RPDs between the MS and MSDs were less than the 50% control limit indicating acceptable method performance for TOC and TPHC (Method 9071).

Two soil samples from AOC 57 (EX573106 and BX570905) were spike in duplicate to evaluate precision for TPHC as diesel and gasoline (USEPA

Method 8015). The RPDs of soil samples for TPHC as gasoline were within the USEPA control limits indicating acceptable precision.

The RPD for TPHC as diesel fuel (63.3%) exceeded the 50% control limits in sample EX573106. Diesel was not detected in either sample. RPD for TPH as diesel in the second soil duplicate pair was 2.6% indicating excellent agreement between results. Based on duplicate spike data, TPH results (USEPA Method 8015) for soil samples overall are acceptable and no qualification of the use of TPH diesel results was done.

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ATTACHMENT D-1
PROJECT CHEMIST REVIEW SUMMARY
MADEP VOLATILE PETROLEUM HYDROCARBON (VPH) AND
EXTRACTABLES PETROLEUM HYDROCARBONS (EPH) METHODS
AOC 69W
FORT DEVENS, AYER MASSACHUSETTS

Introduction

This memo summarizes the ABB-ES chemist review of the analytical results generated by Groundwater Analytical for VPH and EPH analyses for Ft. Devens Task 001 Modification (1996). The VPH and EPH methods were conducted as outlined in accordance with Massachusetts Department of Environmental Protection (MADEP, 1995a; MADEP, 1995b).

The data review summaries below discuss the control elements to which the data were evaluated. The data that are available for review included: method control blanks, laboratory control samples, duplicates, matrix spikes/matrix spike duplicates, holding times and a % surrogate recovery.

Extractable Petroleum Hydrocarbons

Method Control Blanks

The method demonstrated no evidence of contamination of EPH or any of the targeted polynuclear aromatic hydrocarbon analytes.

Laboratory Control Samples

The laboratory control sample analyses demonstrated percent recovery values within the specified acceptable ranges.

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Duplicates

One field duplicate sample was analyzed; no EPH or targeted polynuclear aromatic hydrocarbon analytes were detected. The results of the sample sets were non-detects. In general, the duplicate results indicate good precision of measurement was obtained for the EPH sample analyses. These results indicated agreement for absence of EPH, however, evaluations of precision for positive detection EPH was not possible.

Matrix Spike/ Matrix Spike Duplicates

Two matrix spike/matrix spike duplicate pairs were analyzed. All target compounds with the exception of naphthalene met the quality control limits for one set of spikes. The associated samples had no detection of naphthalene and were not qualified. Although naphthalene recovery of one set was outside the desired recovery range and the RPD result (RPD=37) slightly exceeded the 30% goal, the balance of analytes results indicate good precision was achieved.

Holding Times

All holding and extraction time limits established for sample analysis were met.

% Surrogate recoveries

All surrogate recoveries were within the acceptance criteria of 60-140%.

Data Quality Objectives (DQOs)

DQOs are based on the premise that different data uses require different levels of data quality. Data quality refers to the degree of uncertainty of analytical data with respect to precision, accuracy, representativeness, completeness, and comparability (PARCC). These objectives are established based on site conditions, the purpose of the field program, and the knowledge of the measurement systems used for generation of the analytical data.

No major quality control problems were observed during the data validation process which would affect the usability of the sample results. A discussion of the laboratory data quality as it relates to the PARCC objectives is presented below.

Precision and Accuracy

Precision refers to the reproducibility of a measurement under certain specified conditions, and accuracy measures the bias associated with the sampling and

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analysis process. Precision and accuracy are affected by both field and laboratory conditions. Precision was monitored through the analysis of field and laboratory blanks, matrix spikes, and surrogate spikes. The Massachusetts Department of Environmental Protection protocols used for the analysis of samples define the criteria for acceptable precision and accuracy. No major precision and accuracy problems were observed which would affect usability.

Representativeness

Measurements are made so that the results obtained are representative of the sampling population, the medium (e.g., soil, groundwater, sediment, etc.) and the site conditions. The sampling protocols were developed to ensure that the samples were representative of the media, that sampling locations were properly selected, and that a sufficient number of samples were collected. Sample handling protocols (chain-of-custody, storage, and transportation) were adequate to preserve the sample integrity. Proper documentation established that the correct protocols had been followed. Co-located samples (field duplicates) were also collected to assess representativeness, and no major problems were observed which would affect usability.

Completeness

The characteristic of completeness is regarded as providing the results of all samples in the data reporting format outlined in the VPH and EPH methods of Massachusetts Department of Environmental Protection. The completeness requirement for sample analysis has been met for this program.

Comparability

The characteristic of comparability reflects both the internal consistency of measurements and the expression of results in units which are consistent with other organizations reporting similar data. Each value reported for a given measurement should be similar to other values within the same data set and with other related data sets. Comparability was assured through use of standardized sampling procedures and the use of VPH and EPH methods of Massachusetts Department of Environmental Protection analytical methods.

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APPENDIX D-3
TABLE D-1
SUMMARY OF ANALYTICAL PARAMETERS

AOC 57 AND 69W REMEDIAL INVESTIGATION
FORT DEVENS, MASSACHUSETTS

PARAMETER	MATRIX (SOIL/WATER)	USAEC METHOD NUMBER	EQUIVALENT USEPA METHOD NUMBER	METHOD DESCRIPTION	LABORATORY/ ARMY-CERTIFIED REPORTING LIMIT
pH	Water	No Certified Method	150.1	Measured in Field	N/A
Temperature	Water	No Certified Method	170.1	Measured in Field	N/A
Turbidity	Water	No Certified Method	180.1	Measured in Field	N/A
Conductivity	Water	No Certified Method	120.1	Measured in Field Electrode	N/A
RedOX	Water	No Certified Method	SM 2580b	Measured in Field	N/A
Total Suspended Solids	Water	No Certified Method	160.2	Gravimetric	4000 µg/L
Total Dissolved Solids	Water	No Certified Method	160.1	Gravimetric	10,000 µg/L
Total Organic Carbon	Soil	No Certified Method	SW 9060	Infrared	360 µg/g
	Water	No Certified Method	SW 9060	Infrared	1000 µg/L
Nitrate/Nitrite	Water	TF22	351.2	Colorimetric	10 µg/L
Hardness	Water	N/A	130.2 or SM2340B	Titration or Calculation	1000 µg/L
TKN (Kjeldahl)	Water	No Certified Method	351.2	Calorimetric	183 µg/L
Total Petroleum Hydrocarbons	Water	No Certified Method	418.1	Infrared	167 µg/L
	Soil	No Certified Method	SW 9071/ 418.1	Infrared	21 µg/g
Aluminum	Water	SS18	200.7	ICP	141 µg/L
	Soil	JS16	SW 6010	ICP	14.1 µg/g
Antimony	Soil	JS16	SW 6010	ICP	7.14 µg/g
	Water	SD28	-	GFAA	3.03 µg/L
	Soil	JD25	-	GFAA	1.09 µg/g
Arsenic	Water	SD22	206.2	GFAA	2.54 µg/L
	Soil	JD19	SW 7060	GFAA	0.25 µg/g
Barium	Water	SS18	200.7	ICP	2.5 µg/L
	Soil	JS16	SW 6010	ICP	5.91 µg/g

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continued

APPENDIX D-3
TABLE D-1
SUMMARY OF ANALYTICAL PARAMETERS

AOC 57 AND 69W REMEDIAL INVESTIGATION
FORT DEVENS, MASSACHUSETTS

PARAMETER	MATRIX (SOIL/WATER)	USAEC METHOD NUMBER	EQUIVALENT USEPA METHOD NUMBER	METHOD DESCRIPTION	LABORATORY/ ARMY-CERTIFIED REPORTING LIMIT
Beryllium	Water	SS18	200.7	ICP	5.0 µg/L
	Soil	JS16	SW 6010	ICP	0.5 µg/g
Cadmium	Water	SS10	200.7	ICP	3.01 µg/L
	Soil	JS16	SW 6010	ICP	0.7 µg/g
Calcium	Water	SS18	200.7	ICP	1000 µg/L
	Soil	JS16	SW 6010	ICP	100 µg/g
Chromium	Water	SS18	200.7	ICP	6.96 µg/L
	Soil	JS16	SW 6010	ICP	4.05 µg/g
Cobalt	Water	SS18	200.7	ICP	50 µg/L
	Soil	JS16	SW 6010	ICP	1.42 µg/g
Copper	Water	SS18	200.7	ICP	5 µg/L
	Soil	JS16	SW 6010	ICP	0.965 µg/g
Iron	Water	SS18	200.7	ICP	36.8 µg/L
	Soil	JS16	SW 6010	ICP	3.68 µg/g
Lead	Soil	JS16	SW 6010	ICP	10.5 µg/g
	Soil	JD17	SW 7421	GFAA	0.177 µg/g
	Water	SD20	239.2	GFAA	1.26 µg/L
Magnesium	Water	SS18	200.7	ICP	1000 µg/L
	Soil	JS16	SW 6010	ICP	100 µg/g
Manganese	Water	SS18	200.7	ICP	2.5 µg/L
	Soil	JS16	SW 6010	ICP	2.05 µg/g
Mercury	Water	SB01	245.1	CVAA	0.243 µg/L
	Soil	JB01	SW 7471	CVAA	0.05 µg/g
Nickel	Water	SS18	200.7	ICP	7.11 µg/L
	Soil	JS16	SW 6010	ICP	1.71 µg/g

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continued

APPENDIX D-3
TABLE D-1
SUMMARY OF ANALYTICAL PARAMETERS

AOC 57 AND 69W REMEDIAL INVESTIGATION
FORT DEVENS, MASSACHUSETTS

PARAMETER	MATRIX (SOIL/WATER)	USAEC METHOD NUMBER	EQUIVALENT USEPA METHOD NUMBER	METHOD DESCRIPTION	LABORATORY/ ARMY-CERTIFIED REPORTING LIMIT
Potassium	Water	SS18	200.7	ICP	1000 µg/L
	Soil	JS16	SW 6010	ICP	100 µg/g
Selenium	Water	SD21	270.2	GFAA	3.02 µg/L
	Soil	JD15	SW7740	GFAA	0.25 µg/g
Silver	Water	SD23	272.2	GFAA	0.25 µg/L
	Soil	JD18	SW 7761	GFAA	.025 µg/g
	Water	SS18	200.7	ICP	4.42 µg/L
	Soil	JS16	SW 6010	ICP	0.589 µg/g
Sodium	Water	SS18	200.7	ICP	2290 µg/L
	Soil	JS16	SW 6010	ICP	100 µg/g
Thallium	Water	SD09	279.2	GFAA	6.99 µg/L
	Soil	JD24	SW846 7841	GFAA	0.5 µg/g
Vanadium	Water	SS18	200.7	ICP	4.69 µg/L
	Soil	JS16	SW 6010	ICP	3.39 µg/g
Zinc	Water	SS18	200.7	ICP	35.8 µg/L
	Soil	JS16	SW 6010	ICP	8.03 µg/g
Semivolatile Organic Compounds	Water	UM18	625	Extraction,GC/MS	See POP
	Soil	LM18	SW 8270	Extraction,GC/MS	See POP
Volatile Organic Compound	Water	UM20	624	Purge and Trap, GC/MS	See POP
	Soil	LM19	SW 8240	Purge and Trap, GC/MS	See POP
Pesticides/PCBs	Water	UH13/UH02	608	Extraction, GC	See POP
	Soil	LH10/LH16	SW 8080	Extraction, GC-EC	See POP

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continued

APPENDIX D-3
TABLE D-1
SUMMARY OF ANALYTICAL PARAMETERS

AOC 57 AND 69W REMEDIAL INVESTIGATION
FORT DEVENS, MASSACHUSETTS

PARAMETER	MATRIX (SOIL/WATER)	USAEC METHOD NUMBER	EQUIVALENT USEPA METHOD NUMBER	METHOD DESCRIPTION	LABORATORY/ ARMY-CERTIFIED REPORTING LIMIT
GRO	Water	No Certified Method	Modified 8015	GC/FID	400 µg/L
	Soil	No Certified Method	Modified 8015	GC/FID	8 µg/g
DRO	Soil	No Certified Method	Modified 8015	GC/FID	8 µg/g

Notes:

POP = Project Operations Plan; Fort Devens, Massachusetts, Data Item A004/A006; U.S. Army Environmental Center; Aberdeen Proving Ground, Maryland; May 1995.
SW = EPA "Test Methods for Evaluating Solid Wastes", SW-846, September 1986
GRO = Gasoline Range Organics
DRO = Diesel Range Organics

Source: ESE, 1991.

Harding Lawson Associates

Appendix D-3
Table: D-2
METHOD BLANKS (SOIL)
FT. DEVENS DV4 1996

Contractor	Method Description	Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Unit
ABB-ES		8015	DIESEL	QEFU	26-AUG-96	29-AUG-96	7.98	UGG
ABB-ES			DIESEL	QEXU	04-SEP-96	08-SEP-96	7.98	UGG
ABB-ES			TPHVG	QEFU	26-AUG-96	29-AUG-96	8	UGG
ABB-ES			TPHVG	QEXU	04-SEP-96	08-SEP-96	8	UGG
ABB-ES			TPHGAS	QEFU	26-AUG-96	29-AUG-96	8	UGG
ABB-ES			TPHGAS	QEXU	04-SEP-96	08-SEP-96	8	UGG
ABB-ES			TPHMO	QEXU	04-SEP-96	08-SEP-96	50	UGG
ABB-ES		9060	TOC	ZEFO	10-SEP-96	10-SEP-96	360	UGG
ABB-ES			TOC	ZEMO	16-SEP-96	16-SEP-96	360	UGG
ABB-ES		9071	TPHC	ZEHO	11-SEP-96	12-SEP-96	20.9	UGG
ABB-ES			TPHC	ZELO	18-SEP-96	18-SEP-96	20.9	UGG
ABB-ES			TPHC	ZENO	24-SEP-96	25-SEP-96	20.9	UGG
ABB-ES	METALS/SOIL/CVAA	JB01	HG	QRDH	15-SEP-96	15-SEP-96	.05	UGG
ABB-ES	METALS/SOIL/GFAA	JD15	SE	MBCG	19-SEP-96	24-SEP-96	.25	UGG
ABB-ES	METALS/SOIL/GFAA	JD17	PB	OBGG	19-SEP-96	24-SEP-96	.649	UGG
ABB-ES	METALS/SOIL/GFAA	JD19	AS	QBLG	19-SEP-96	25-SEP-96	.25	UGG
ABB-ES	METALS/SOIL/FURNACE	JD24	TL	R8SB	19-SEP-96	24-SEP-96	.5	UGG
ABB-ES	METALS/SOIL/FURNACE	JD25	SB	SBXB	21-SEP-96	23-SEP-96	1.09	UGG
ABB-ES	METALS/SOIL/ICP	JS16	AG	UBNI	21-SEP-96	26-SEP-96	.589	UGG
ABB-ES	METALS/SOIL/ICP		AL	UBNI	21-SEP-96	26-SEP-96	.636	UGG
ABB-ES	METALS/SOIL/ICP		B	UBNI	21-SEP-96	26-SEP-96	5.91	UGG
ABB-ES	METALS/SOIL/ICP		BA	UBNI	21-SEP-96	26-SEP-96	13.4	UGG
ABB-ES	METALS/SOIL/ICP		BE	UBNI	21-SEP-96	26-SEP-96	.5	UGG
ABB-ES	METALS/SOIL/ICP		CA	UBNI	21-SEP-96	26-SEP-96	.421	UGG
ABB-ES	METALS/SOIL/ICP		CD	UBNI	21-SEP-96	26-SEP-96	.7	UGG
ABB-ES	METALS/SOIL/ICP		CO	UBNI	21-SEP-96	26-SEP-96	1.42	UGG
ABB-ES	METALS/SOIL/ICP		CR	UBNI	21-SEP-96	26-SEP-96	4.05	UGG

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Table: D-2
METHOD BLANKS (SOIL)
FT. DEVENS DV4 1996

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value Unit
ABB-ES	METALS/SOIL/ICP	JS16	CU	UBNI	21-SEP-96	26-SEP-96	1.01 UGG
ABB-ES	METALS/SOIL/ICP		FE	UBNI	21-SEP-96	26-SEP-96	1160 UGG
ABB-ES	METALS/SOIL/ICP		K	UBNI	21-SEP-96	26-SEP-96	215 UGG
ABB-ES	METALS/SOIL/ICP		MG	UBNI	21-SEP-96	26-SEP-96	202 UGG
ABB-ES	METALS/SOIL/ICP		MN	UBNI	21-SEP-96	26-SEP-96	27.3 UGG
ABB-ES	METALS/SOIL/ICP		MO	UBNI	21-SEP-96	26-SEP-96	1.12 UGG
ABB-ES	METALS/SOIL/ICP		NA	UBNI	21-SEP-96	26-SEP-96	100 UGG
ABB-ES	METALS/SOIL/ICP		NI	UBNI	21-SEP-96	26-SEP-96	1.71 UGG
ABB-ES	METALS/SOIL/ICP		PB	UBNI	21-SEP-96	26-SEP-96	10.5 UGG
ABB-ES	METALS/SOIL/ICP		V	UBNI	21-SEP-96	26-SEP-96	3.39 UGG
ABB-ES	METALS/SOIL/ICP		ZN	UBNI	21-SEP-96	26-SEP-96	8.03 UGG
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	ABHC	UFOF	26-AUG-96	26-SEP-96	.00907 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		ABHC	UFOF	04-SEP-96	01-OCT-96	.00907 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		ACLDAN	UFOF	26-AUG-96	26-SEP-96	.005 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		ACLDAN	UFOF	04-SEP-96	01-OCT-96	.00596 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		AENSLF	UFOF	26-AUG-96	26-SEP-96	.00602 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		AENSLF	UFOF	04-SEP-96	01-OCT-96	.00602 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		ALDRN	UFOF	26-AUG-96	26-SEP-96	.00729 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		ALDRN	UFOF	04-SEP-96	01-OCT-96	.00729 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		BBHC	UFOF	26-AUG-96	26-SEP-96	.00257 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		BBHC	UFOF	04-SEP-96	01-OCT-96	.00257 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		BENSLF	UFOF	26-AUG-96	26-SEP-96	.00663 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		BENSLF	UFOF	04-SEP-96	01-OCT-96	.00663 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		DBHC	UFOF	26-AUG-96	26-SEP-96	.00555 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		DBHC	UFOF	04-SEP-96	01-OCT-96	.00555 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		DLDRN	UFOF	26-AUG-96	26-SEP-96	.00629 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		DLDRN	UFOF	04-SEP-96	01-OCT-96	.00629 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		ENDRN	UFOF	26-AUG-96	26-SEP-96	.00657 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		ENDRN	UFOF	04-SEP-96	01-OCT-96	.00657 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		ENDRNA	UFOF	26-AUG-96	26-SEP-96	.024 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		ENDRNA	UFOF	04-SEP-96	01-OCT-96	.024 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		ENDRNK	UFOF	26-AUG-96	26-SEP-96	.024 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		ENDRNK	UFOF	04-SEP-96	01-OCT-96	.024 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		ESFS04	UFOF	26-AUG-96	26-SEP-96	.00763 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		ESFS04	UFOF	04-SEP-96	01-OCT-96	.00763 UGG

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Table: D-2
METHOD BLANKS (SOIL)
FT. DEVENS DW4 1996

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value Unit
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	GCLDAN	UFOF	26-AUG-96	26-SEP-96	.00655 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		GCLDAN	UFOF	04-SEP-96	01-OCT-96	.0108 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		HPCL	UFOF	26-AUG-96	26-SEP-96	.00618 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		HPCL	UFOF	04-SEP-96	01-OCT-96	.00618 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		HPCLE	UFOF	26-AUG-96	26-SEP-96	.0062 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		HPCLE	UFOF	04-SEP-96	01-OCT-96	.0062 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		ISDOR	UFOF	26-AUG-96	26-SEP-96	.00461 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		ISDOR	UFOF	04-SEP-96	01-OCT-96	.00461 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		LIN	UFOF	26-AUG-96	26-SEP-96	.00638 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		LIN	UFOF	04-SEP-96	01-OCT-96	.00638 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		MEXCLR	UFOF	26-AUG-96	26-SEP-96	.0711 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		MEXCLR	UFOF	04-SEP-96	01-OCT-96	.0711 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PPDDO	UFOF	26-AUG-96	26-SEP-96	.00826 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PPDDO	UFOF	04-SEP-96	01-OCT-96	.00826 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PPDDE	UFOF	26-AUG-96	26-SEP-96	.00765 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PPDDE	UFOF	04-SEP-96	01-OCT-96	.00765 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PPDPT	UFOF	26-AUG-96	26-SEP-96	.00707 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PPDPT	UFOF	04-SEP-96	01-OCT-96	.00707 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		TXPHEN	UFOF	26-AUG-96	26-SEP-96	.444 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		TXPHEN	UFOF	04-SEP-96	01-OCT-96	.444 UGG
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	PCB016	NGHH	26-AUG-96	30-SEP-96	.0666 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PCB016	NGJH	04-SEP-96	10-OCT-96	.0666 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PCB221	NGHH	26-AUG-96	30-SEP-96	.082 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PCB221	NGJH	04-SEP-96	10-OCT-96	.082 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PCB232	NGHH	26-AUG-96	30-SEP-96	.082 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PCB232	NGJH	04-SEP-96	10-OCT-96	.082 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PCB242	NGHH	26-AUG-96	30-SEP-96	.082 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PCB242	NGJH	04-SEP-96	10-OCT-96	.082 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PCB248	NGHH	26-AUG-96	30-SEP-96	.082 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PCB248	NGJH	04-SEP-96	10-OCT-96	.082 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PCB254	NGHH	26-AUG-96	30-SEP-96	.082 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PCB254	NGJH	04-SEP-96	10-OCT-96	.082 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PCB260	NGHH	26-AUG-96	30-SEP-96	.0804 UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PCB260	NGJH	04-SEP-96	10-OCT-96	.0804 UGG

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Table: D-2
METHOD BLANKS (SOIL)
FT. DEVENS DV4 1996

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value Unit
ABB-ES	ORGANICS/SOIL/GCMS	LM18	124TCB	OETK	26-AUG-96	13-SEP-96	.04 UGG
ABB-ES	ORGANICS/SOIL/GCMS		124TCB	OEMK	03-SEP-96	11-SEP-96	.04 UGG
ABB-ES	ORGANICS/SOIL/GCMS		124TCB	OEMK	06-SEP-96	23-SEP-96	.04 UGG
ABB-ES	ORGANICS/SOIL/GCMS		120CLB	OETK	26-AUG-96	13-SEP-96	.11 UGG
ABB-ES	ORGANICS/SOIL/GCMS		120CLB	OEMK	03-SEP-96	11-SEP-96	.11 UGG
ABB-ES	ORGANICS/SOIL/GCMS		120CLB	OEMK	06-SEP-96	23-SEP-96	.11 UGG
ABB-ES	ORGANICS/SOIL/GCMS		120DPH	OETK	26-AUG-96	13-SEP-96	.14 UGG
ABB-ES	ORGANICS/SOIL/GCMS		120DPH	OEMK	03-SEP-96	11-SEP-96	.14 UGG
ABB-ES	ORGANICS/SOIL/GCMS		120DPH	OEMK	06-SEP-96	23-SEP-96	.14 UGG
ABB-ES	ORGANICS/SOIL/GCMS		130CLB	OETK	26-AUG-96	13-SEP-96	.13 UGG
ABB-ES	ORGANICS/SOIL/GCMS		130CLB	OEMK	03-SEP-96	11-SEP-96	.13 UGG
ABB-ES	ORGANICS/SOIL/GCMS		130CLB	OEMK	06-SEP-96	23-SEP-96	.13 UGG
ABB-ES	ORGANICS/SOIL/GCMS		140CLB	OETK	26-AUG-96	13-SEP-96	.098 UGG
ABB-ES	ORGANICS/SOIL/GCMS		140CLB	OEMK	03-SEP-96	11-SEP-96	.098 UGG
ABB-ES	ORGANICS/SOIL/GCMS		140CLB	OEMK	06-SEP-96	23-SEP-96	.098 UGG
ABB-ES	ORGANICS/SOIL/GCMS		245TCP	OETK	26-AUG-96	13-SEP-96	.1 UGG
ABB-ES	ORGANICS/SOIL/GCMS		245TCP	OEMK	03-SEP-96	11-SEP-96	.1 UGG
ABB-ES	ORGANICS/SOIL/GCMS		245TCP	OEMK	06-SEP-96	23-SEP-96	.17 UGG
ABB-ES	ORGANICS/SOIL/GCMS		246TCP	OETK	26-AUG-96	13-SEP-96	.17 UGG
ABB-ES	ORGANICS/SOIL/GCMS		246TCP	OEMK	03-SEP-96	11-SEP-96	.17 UGG
ABB-ES	ORGANICS/SOIL/GCMS		246TCP	OEMK	06-SEP-96	23-SEP-96	.18 UGG
ABB-ES	ORGANICS/SOIL/GCMS		240CLP	OETK	26-AUG-96	13-SEP-96	.18 UGG
ABB-ES	ORGANICS/SOIL/GCMS		240CLP	OEMK	03-SEP-96	11-SEP-96	.18 UGG
ABB-ES	ORGANICS/SOIL/GCMS		240CLP	OEMK	06-SEP-96	23-SEP-96	.69 UGG
ABB-ES	ORGANICS/SOIL/GCMS		240MPN	OETK	26-AUG-96	13-SEP-96	.69 UGG
ABB-ES	ORGANICS/SOIL/GCMS		240MPN	OEMK	03-SEP-96	11-SEP-96	1.2 UGG
ABB-ES	ORGANICS/SOIL/GCMS		240MPN	OEMK	06-SEP-96	23-SEP-96	1.2 UGG
ABB-ES	ORGANICS/SOIL/GCMS		240NP	OETK	26-AUG-96	13-SEP-96	1.2 UGG
ABB-ES	ORGANICS/SOIL/GCMS		240NP	OEMK	03-SEP-96	11-SEP-96	1.2 UGG
ABB-ES	ORGANICS/SOIL/GCMS		240NP	OEMK	06-SEP-96	23-SEP-96	.14 UGG
ABB-ES	ORGANICS/SOIL/GCMS		240NT	OETK	26-AUG-96	13-SEP-96	.14 UGG
ABB-ES	ORGANICS/SOIL/GCMS		240NT	OEMK	03-SEP-96	11-SEP-96	.085 UGG
ABB-ES	ORGANICS/SOIL/GCMS		240NT	OEMK	06-SEP-96	23-SEP-96	.085 UGG
ABB-ES	ORGANICS/SOIL/GCMS		260NT	OETK	26-AUG-96	13-SEP-96	.085 UGG
ABB-ES	ORGANICS/SOIL/GCMS		260NT	OEMK	03-SEP-96	11-SEP-96	.085 UGG
ABB-ES	ORGANICS/SOIL/GCMS		260NT	OEMK	06-SEP-96	23-SEP-96	.085 UGG

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Table: D-2
METHOD BLANKS (SOIL)
FT. DEVENS DV4 1996

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Unit
ABB-ES	ORGANICS/SOIL/GCMS	LM18	2CLP	OETK	26-AUG-96	13-SEP-96	<	.06 UGG
ABB-ES	ORGANICS/SOIL/GCMS		2CLP	OEWK	03-SEP-96	11-SEP-96	<	.06 UGG
ABB-ES	ORGANICS/SOIL/GCMS		2CLP	OEWK	06-SEP-96	23-SEP-96	<	.06 UGG
ABB-ES	ORGANICS/SOIL/GCMS		2CNAP	OETK	26-AUG-96	13-SEP-96	<	.036 UGG
ABB-ES	ORGANICS/SOIL/GCMS		2CNAP	OEWK	03-SEP-96	11-SEP-96	<	.036 UGG
ABB-ES	ORGANICS/SOIL/GCMS		2CNAP	OEWK	06-SEP-96	23-SEP-96	<	.036 UGG
ABB-ES	ORGANICS/SOIL/GCMS		2MNAIP	OETK	26-AUG-96	13-SEP-96	<	.049 UGG
ABB-ES	ORGANICS/SOIL/GCMS		2MNAIP	OEWK	03-SEP-96	11-SEP-96	<	.049 UGG
ABB-ES	ORGANICS/SOIL/GCMS		2MNAIP	OEWK	06-SEP-96	23-SEP-96	<	.049 UGG
ABB-ES	ORGANICS/SOIL/GCMS		2MP	OETK	26-AUG-96	13-SEP-96	<	.029 UGG
ABB-ES	ORGANICS/SOIL/GCMS		2MP	OEWK	03-SEP-96	11-SEP-96	<	.029 UGG
ABB-ES	ORGANICS/SOIL/GCMS		2MP	OEWK	06-SEP-96	23-SEP-96	<	.029 UGG
ABB-ES	ORGANICS/SOIL/GCMS		2NANIL	OETK	26-AUG-96	13-SEP-96	<	.062 UGG
ABB-ES	ORGANICS/SOIL/GCMS		2NANIL	OEWK	03-SEP-96	11-SEP-96	<	.062 UGG
ABB-ES	ORGANICS/SOIL/GCMS		2NANIL	OEWK	06-SEP-96	23-SEP-96	<	.062 UGG
ABB-ES	ORGANICS/SOIL/GCMS		2NP	OETK	26-AUG-96	13-SEP-96	<	.14 UGG
ABB-ES	ORGANICS/SOIL/GCMS		2NP	OEWK	03-SEP-96	11-SEP-96	<	.14 UGG
ABB-ES	ORGANICS/SOIL/GCMS		2NP	OEWK	06-SEP-96	23-SEP-96	<	.14 UGG
ABB-ES	ORGANICS/SOIL/GCMS		33DCBD	OETK	26-AUG-96	13-SEP-96	<	6.3 UGG
ABB-ES	ORGANICS/SOIL/GCMS		33DCBD	OEWK	03-SEP-96	11-SEP-96	<	6.3 UGG
ABB-ES	ORGANICS/SOIL/GCMS		33DCBD	OEWK	06-SEP-96	23-SEP-96	<	6.3 UGG
ABB-ES	ORGANICS/SOIL/GCMS		3NANIL	OETK	26-AUG-96	13-SEP-96	<	.45 UGG
ABB-ES	ORGANICS/SOIL/GCMS		3NANIL	OEWK	03-SEP-96	11-SEP-96	<	.45 UGG
ABB-ES	ORGANICS/SOIL/GCMS		3NANIL	OEWK	06-SEP-96	23-SEP-96	<	.45 UGG
ABB-ES	ORGANICS/SOIL/GCMS		46DN2C	OETK	26-AUG-96	13-SEP-96	<	.55 UGG
ABB-ES	ORGANICS/SOIL/GCMS		46DN2C	OEWK	03-SEP-96	11-SEP-96	<	.55 UGG
ABB-ES	ORGANICS/SOIL/GCMS		46DN2C	OEWK	06-SEP-96	23-SEP-96	<	.55 UGG
ABB-ES	ORGANICS/SOIL/GCMS		4BRPPE	OETK	26-AUG-96	13-SEP-96	<	.033 UGG
ABB-ES	ORGANICS/SOIL/GCMS		4BRPPE	OEWK	03-SEP-96	11-SEP-96	<	.033 UGG
ABB-ES	ORGANICS/SOIL/GCMS		4BRPPE	OEWK	06-SEP-96	23-SEP-96	<	.033 UGG
ABB-ES	ORGANICS/SOIL/GCMS		4CANIL	OETK	26-AUG-96	13-SEP-96	<	.81 UGG
ABB-ES	ORGANICS/SOIL/GCMS		4CANIL	OEWK	03-SEP-96	11-SEP-96	<	.81 UGG
ABB-ES	ORGANICS/SOIL/GCMS		4CANIL	OEWK	06-SEP-96	23-SEP-96	<	.81 UGG
ABB-ES	ORGANICS/SOIL/GCMS		4CL3C	OETK	26-AUG-96	13-SEP-96	<	.095 UGG
ABB-ES	ORGANICS/SOIL/GCMS		4CL3C	OEWK	03-SEP-96	11-SEP-96	<	.095 UGG
ABB-ES	ORGANICS/SOIL/GCMS		4CL3C	OEWK	06-SEP-96	23-SEP-96	<	.095 UGG

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Table: D-2
METHOD BLANKS (SOIL)
FT. DEVENS DV4 1996

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Unit
ABB-ES	ORGANICS/SOIL/GCMS	LM18	4CLPPE	OETK	26-AUG-96	13-SEP-96	<	.033 UGG
ABB-ES	ORGANICS/SOIL/GCMS		4CLPPE	OEWK	03-SEP-96	11-SEP-96	<	.033 UGG
ABB-ES	ORGANICS/SOIL/GCMS		4CLPPE	OEXK	06-SEP-96	23-SEP-96	<	.033 UGG
ABB-ES	ORGANICS/SOIL/GCMS		4MP	OETK	26-AUG-96	13-SEP-96	<	.24 UGG
ABB-ES	ORGANICS/SOIL/GCMS		4MP	OEWK	03-SEP-96	11-SEP-96	<	.24 UGG
ABB-ES	ORGANICS/SOIL/GCMS		4MP	OEXK	06-SEP-96	23-SEP-96	<	.24 UGG
ABB-ES	ORGANICS/SOIL/GCMS		4NANIL	OETK	26-AUG-96	13-SEP-96	<	.41 UGG
ABB-ES	ORGANICS/SOIL/GCMS		4NANIL	OEWK	03-SEP-96	11-SEP-96	<	.41 UGG
ABB-ES	ORGANICS/SOIL/GCMS		4NANIL	OEXK	06-SEP-96	23-SEP-96	<	.41 UGG
ABB-ES	ORGANICS/SOIL/GCMS		4NP	OETK	26-AUG-96	13-SEP-96	<	1.4 UGG
ABB-ES	ORGANICS/SOIL/GCMS		4NP	OEWK	03-SEP-96	11-SEP-96	<	1.4 UGG
ABB-ES	ORGANICS/SOIL/GCMS		4NP	OEXK	06-SEP-96	23-SEP-96	<	1.4 UGG
ABB-ES	ORGANICS/SOIL/GCMS		ABHC	OETK	26-AUG-96	13-SEP-96	<	.27 UGG
ABB-ES	ORGANICS/SOIL/GCMS		ABHC	OEWK	03-SEP-96	11-SEP-96	<	.27 UGG
ABB-ES	ORGANICS/SOIL/GCMS		ABHC	OEXK	06-SEP-96	23-SEP-96	<	.27 UGG
ABB-ES	ORGANICS/SOIL/GCMS		ACLDAN	OETK	26-AUG-96	13-SEP-96	<	.33 UGG
ABB-ES	ORGANICS/SOIL/GCMS		ACLDAN	OEWK	03-SEP-96	11-SEP-96	<	.33 UGG
ABB-ES	ORGANICS/SOIL/GCMS		ACLDAN	OEXK	06-SEP-96	23-SEP-96	<	.33 UGG
ABB-ES	ORGANICS/SOIL/GCMS		AENSLF	OETK	26-AUG-96	13-SEP-96	<	.62 UGG
ABB-ES	ORGANICS/SOIL/GCMS		AENSLF	OEWK	03-SEP-96	11-SEP-96	<	.62 UGG
ABB-ES	ORGANICS/SOIL/GCMS		AENSLF	OEXK	06-SEP-96	23-SEP-96	<	.62 UGG
ABB-ES	ORGANICS/SOIL/GCMS		ALDRN	OETK	26-AUG-96	13-SEP-96	<	.33 UGG
ABB-ES	ORGANICS/SOIL/GCMS		ALDRN	OEWK	03-SEP-96	11-SEP-96	<	.33 UGG
ABB-ES	ORGANICS/SOIL/GCMS		ALDRN	OEXK	06-SEP-96	23-SEP-96	<	.33 UGG
ABB-ES	ORGANICS/SOIL/GCMS		ANAPNE	OETK	26-AUG-96	13-SEP-96	<	.036 UGG
ABB-ES	ORGANICS/SOIL/GCMS		ANAPNE	OEWK	03-SEP-96	11-SEP-96	<	.036 UGG
ABB-ES	ORGANICS/SOIL/GCMS		ANAPNE	OEXK	06-SEP-96	23-SEP-96	<	.036 UGG
ABB-ES	ORGANICS/SOIL/GCMS		ANAPYL	OETK	26-AUG-96	13-SEP-96	<	.033 UGG
ABB-ES	ORGANICS/SOIL/GCMS		ANAPYL	OEWK	03-SEP-96	11-SEP-96	<	.033 UGG
ABB-ES	ORGANICS/SOIL/GCMS		ANAPYL	OEXK	06-SEP-96	23-SEP-96	<	.033 UGG
ABB-ES	ORGANICS/SOIL/GCMS		ANIL	OETK	26-AUG-96	13-SEP-96	<	.65 UGG
ABB-ES	ORGANICS/SOIL/GCMS		ANTRC	OEWK	03-SEP-96	11-SEP-96	<	.033 UGG
ABB-ES	ORGANICS/SOIL/GCMS		ANTRC	OEXK	06-SEP-96	23-SEP-96	<	.033 UGG
ABB-ES	ORGANICS/SOIL/GCMS		ANTRC	OETK	26-AUG-96	13-SEP-96	<	.059 UGG
ABB-ES	ORGANICS/SOIL/GCMS		B2CEXM	OEWK	03-SEP-96	11-SEP-96	<	.059 UGG

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Table: D-2
METHOD BLANKS (SOIL)
FT. DEVENS DV4 1996

Contractor	Method Description	Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Unit
IRDMIS								
ABB-ES	ORGANICS/SOIL/GCMS	LM18	B2CEXM	OEKX	06-SEP-96	23-SEP-96	<	.059 UGG
ABB-ES	ORGANICS/SOIL/GCMS		B2CIPE	OEKX	26-AUG-96	13-SEP-96	<	.2 UGG
ABB-ES	ORGANICS/SOIL/GCMS		B2CIPE	OEKX	03-SEP-96	11-SEP-96	<	.2 UGG
ABB-ES	ORGANICS/SOIL/GCMS		B2CIPE	OEKX	06-SEP-96	23-SEP-96	<	.2 UGG
ABB-ES	ORGANICS/SOIL/GCMS		B2CLEE	OEKX	26-AUG-96	13-SEP-96	<	.033 UGG
ABB-ES	ORGANICS/SOIL/GCMS		B2CLEE	OEKX	03-SEP-96	11-SEP-96	<	.033 UGG
ABB-ES	ORGANICS/SOIL/GCMS		B2CLEE	OEKX	06-SEP-96	23-SEP-96	<	.033 UGG
ABB-ES	ORGANICS/SOIL/GCMS		B2ENHP	OEKX	26-AUG-96	13-SEP-96	<	.62 UGG
ABB-ES	ORGANICS/SOIL/GCMS		B2ENHP	OEKX	03-SEP-96	11-SEP-96	<	.62 UGG
ABB-ES	ORGANICS/SOIL/GCMS		B2ENHP	OEKX	06-SEP-96	23-SEP-96	<	.62 UGG
ABB-ES	ORGANICS/SOIL/GCMS		BAANTR	OEKX	26-AUG-96	13-SEP-96	<	.17 UGG
ABB-ES	ORGANICS/SOIL/GCMS		BAANTR	OEKX	03-SEP-96	11-SEP-96	<	.17 UGG
ABB-ES	ORGANICS/SOIL/GCMS		BAANTR	OEKX	06-SEP-96	23-SEP-96	<	.17 UGG
ABB-ES	ORGANICS/SOIL/GCMS		BAPYR	OEKX	26-AUG-96	13-SEP-96	<	.25 UGG
ABB-ES	ORGANICS/SOIL/GCMS		BAPYR	OEKX	03-SEP-96	11-SEP-96	<	.25 UGG
ABB-ES	ORGANICS/SOIL/GCMS		BAPYR	OEKX	06-SEP-96	23-SEP-96	<	.25 UGG
ABB-ES	ORGANICS/SOIL/GCMS		BBFANT	OEKX	26-AUG-96	13-SEP-96	<	.21 UGG
ABB-ES	ORGANICS/SOIL/GCMS		BBFANT	OEKX	03-SEP-96	11-SEP-96	<	.21 UGG
ABB-ES	ORGANICS/SOIL/GCMS		BBFANT	OEKX	06-SEP-96	23-SEP-96	<	.21 UGG
ABB-ES	ORGANICS/SOIL/GCMS		BBHC	OEKX	26-AUG-96	13-SEP-96	<	.27 UGG
ABB-ES	ORGANICS/SOIL/GCMS		BBHC	OEKX	03-SEP-96	11-SEP-96	<	.27 UGG
ABB-ES	ORGANICS/SOIL/GCMS		BBHC	OEKX	06-SEP-96	23-SEP-96	<	.27 UGG
ABB-ES	ORGANICS/SOIL/GCMS		BBZP	OEKX	26-AUG-96	13-SEP-96	<	.17 UGG
ABB-ES	ORGANICS/SOIL/GCMS		BBZP	OEKX	03-SEP-96	11-SEP-96	<	.17 UGG
ABB-ES	ORGANICS/SOIL/GCMS		BBZP	OEKX	06-SEP-96	23-SEP-96	<	.17 UGG
ABB-ES	ORGANICS/SOIL/GCMS		BENSLF	OEKX	26-AUG-96	13-SEP-96	<	.62 UGG
ABB-ES	ORGANICS/SOIL/GCMS		BENSLF	OEKX	03-SEP-96	11-SEP-96	<	.62 UGG
ABB-ES	ORGANICS/SOIL/GCMS		BENSLF	OEKX	06-SEP-96	23-SEP-96	<	.62 UGG
ABB-ES	ORGANICS/SOIL/GCMS		BENZID	OEKX	26-AUG-96	13-SEP-96	<	.85 UGG
ABB-ES	ORGANICS/SOIL/GCMS		BENZID	OEKX	03-SEP-96	11-SEP-96	<	.85 UGG
ABB-ES	ORGANICS/SOIL/GCMS		BENZID	OEKX	06-SEP-96	23-SEP-96	<	.85 UGG
ABB-ES	ORGANICS/SOIL/GCMS		BENZO	OEKX	26-AUG-96	13-SEP-96	<	6.1 UGG
ABB-ES	ORGANICS/SOIL/GCMS		BENZO	OEKX	03-SEP-96	11-SEP-96	<	6.1 UGG
ABB-ES	ORGANICS/SOIL/GCMS		BENZO	OEKX	06-SEP-96	23-SEP-96	<	6.1 UGG
ABB-ES	ORGANICS/SOIL/GCMS		BGHIPY	OEKX	26-AUG-96	13-SEP-96	<	.25 UGG
ABB-ES	ORGANICS/SOIL/GCMS		BGHIPY	OEKX	03-SEP-96	11-SEP-96	<	.25 UGG

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Table: D-2
METHOD BLANKS (SOIL)
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Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value Unit
ABB-ES	ORGANICS/SOIL/GCMS	LM18	BGHPY	OEXK	06-SEP-96	23-SEP-96	.25 UGG
ABB-ES	ORGANICS/SOIL/GCMS		BKFANT	OETK	26-AUG-96	13-SEP-96	.066 UGG
ABB-ES	ORGANICS/SOIL/GCMS		BKFANT	OEXK	03-SEP-96	11-SEP-96	.066 UGG
ABB-ES	ORGANICS/SOIL/GCMS		BKFANT	OEXK	06-SEP-96	23-SEP-96	.066 UGG
ABB-ES	ORGANICS/SOIL/GCMS		BZALC	OETK	26-AUG-96	13-SEP-96	.19 UGG
ABB-ES	ORGANICS/SOIL/GCMS		BZALC	OEXK	03-SEP-96	11-SEP-96	.19 UGG
ABB-ES	ORGANICS/SOIL/GCMS		BZALC	OEXK	06-SEP-96	23-SEP-96	.19 UGG
ABB-ES	ORGANICS/SOIL/GCMS		C27	OETK	26-AUG-96	13-SEP-96	.3 UGG
ABB-ES	ORGANICS/SOIL/GCMS		C27	OEXK	06-SEP-96	23-SEP-96	.3 UGG
ABB-ES	ORGANICS/SOIL/GCMS		CARBZ	OETK	26-AUG-96	13-SEP-96	.14 UGG
ABB-ES	ORGANICS/SOIL/GCMS		CARBZ	OEXK	03-SEP-96	11-SEP-96	.14 UGG
ABB-ES	ORGANICS/SOIL/GCMS		CARBZ	OEXK	06-SEP-96	23-SEP-96	.14 UGG
ABB-ES	ORGANICS/SOIL/GCMS		CHRY	OETK	26-AUG-96	13-SEP-96	.12 UGG
ABB-ES	ORGANICS/SOIL/GCMS		CHRY	OEXK	03-SEP-96	11-SEP-96	.12 UGG
ABB-ES	ORGANICS/SOIL/GCMS		CHRY	OEXK	06-SEP-96	23-SEP-96	.12 UGG
ABB-ES	ORGANICS/SOIL/GCMS		CL68Z	OETK	26-AUG-96	13-SEP-96	.033 UGG
ABB-ES	ORGANICS/SOIL/GCMS		CL68Z	OEXK	03-SEP-96	11-SEP-96	.033 UGG
ABB-ES	ORGANICS/SOIL/GCMS		CL68Z	OEXK	06-SEP-96	23-SEP-96	.033 UGG
ABB-ES	ORGANICS/SOIL/GCMS		CL6CP	OETK	26-AUG-96	13-SEP-96	6.2 UGG
ABB-ES	ORGANICS/SOIL/GCMS		CL6CP	OEXK	03-SEP-96	11-SEP-96	6.2 UGG
ABB-ES	ORGANICS/SOIL/GCMS		CL6CP	OEXK	06-SEP-96	23-SEP-96	6.2 UGG
ABB-ES	ORGANICS/SOIL/GCMS		CL6ET	OETK	26-AUG-96	13-SEP-96	.15 UGG
ABB-ES	ORGANICS/SOIL/GCMS		CL6ET	OEXK	03-SEP-96	11-SEP-96	.15 UGG
ABB-ES	ORGANICS/SOIL/GCMS		CL6ET	OEXK	06-SEP-96	23-SEP-96	.15 UGG
ABB-ES	ORGANICS/SOIL/GCMS		DBAHA	OETK	26-AUG-96	13-SEP-96	.21 UGG
ABB-ES	ORGANICS/SOIL/GCMS		DBAHA	OEXK	03-SEP-96	11-SEP-96	.21 UGG
ABB-ES	ORGANICS/SOIL/GCMS		DBAHA	OEXK	06-SEP-96	23-SEP-96	.21 UGG
ABB-ES	ORGANICS/SOIL/GCMS		DBHC	OETK	26-AUG-96	13-SEP-96	.27 UGG
ABB-ES	ORGANICS/SOIL/GCMS		DBHC	OEXK	03-SEP-96	11-SEP-96	.27 UGG
ABB-ES	ORGANICS/SOIL/GCMS		DBHC	OEXK	06-SEP-96	23-SEP-96	.27 UGG
ABB-ES	ORGANICS/SOIL/GCMS		DBZFUR	OETK	26-AUG-96	13-SEP-96	.035 UGG
ABB-ES	ORGANICS/SOIL/GCMS		DBZFUR	OEXK	03-SEP-96	11-SEP-96	.035 UGG
ABB-ES	ORGANICS/SOIL/GCMS		DBZFUR	OEXK	06-SEP-96	23-SEP-96	.035 UGG
ABB-ES	ORGANICS/SOIL/GCMS		DEP	OETK	26-AUG-96	13-SEP-96	.24 UGG
ABB-ES	ORGANICS/SOIL/GCMS		DEP	OEXK	03-SEP-96	11-SEP-96	.24 UGG
ABB-ES	ORGANICS/SOIL/GCMS		DEP	OEXK	06-SEP-96	23-SEP-96	.24 UGG

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Table: D-2
METHOD BLANKS (SOIL)
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Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value Unit
ABB-ES	ORGANICS/SOIL/GCMS	LM18	HCBD	OEK 03-SEP-96	11-SEP-96	<	.23 UGG
ABB-ES	ORGANICS/SOIL/GCMS		HCBD	OEK 06-SEP-96	23-SEP-96	<	.23 UGG
ABB-ES	ORGANICS/SOIL/GCMS		HPCL	OEK 26-AUG-96	13-SEP-96	<	.13 UGG
ABB-ES	ORGANICS/SOIL/GCMS		HPCL	OEK 03-SEP-96	11-SEP-96	<	.13 UGG
ABB-ES	ORGANICS/SOIL/GCMS		HPCL	OEK 06-SEP-96	23-SEP-96	<	.13 UGG
ABB-ES	ORGANICS/SOIL/GCMS		HPCL	OEK 26-AUG-96	13-SEP-96	<	.33 UGG
ABB-ES	ORGANICS/SOIL/GCMS		HPCL	OEK 03-SEP-96	11-SEP-96	<	.33 UGG
ABB-ES	ORGANICS/SOIL/GCMS		HPCL	OEK 06-SEP-96	23-SEP-96	<	.33 UGG
ABB-ES	ORGANICS/SOIL/GCMS		ICDPYR	OEK 26-AUG-96	13-SEP-96	<	.29 UGG
ABB-ES	ORGANICS/SOIL/GCMS		ICDPYR	OEK 03-SEP-96	11-SEP-96	<	.29 UGG
ABB-ES	ORGANICS/SOIL/GCMS		ISOPHR	OEK 26-AUG-96	13-SEP-96	<	.033 UGG
ABB-ES	ORGANICS/SOIL/GCMS		ISOPHR	OEK 03-SEP-96	11-SEP-96	<	.033 UGG
ABB-ES	ORGANICS/SOIL/GCMS		ISOPHR	OEK 06-SEP-96	23-SEP-96	<	.033 UGG
ABB-ES	ORGANICS/SOIL/GCMS		LIN	OEK 26-AUG-96	13-SEP-96	<	.27 UGG
ABB-ES	ORGANICS/SOIL/GCMS		LIN	OEK 03-SEP-96	11-SEP-96	<	.27 UGG
ABB-ES	ORGANICS/SOIL/GCMS		MEXCLR	OEK 26-AUG-96	13-SEP-96	<	.33 UGG
ABB-ES	ORGANICS/SOIL/GCMS		MEXCLR	OEK 03-SEP-96	11-SEP-96	<	.33 UGG
ABB-ES	ORGANICS/SOIL/GCMS		MIREX	OEK 06-SEP-96	23-SEP-96	<	.25 UGG
ABB-ES	ORGANICS/SOIL/GCMS		NAP	OEK 26-AUG-96	13-SEP-96	<	.037 UGG
ABB-ES	ORGANICS/SOIL/GCMS		NAP	OEK 03-SEP-96	11-SEP-96	<	.037 UGG
ABB-ES	ORGANICS/SOIL/GCMS		NB	OEK 06-SEP-96	23-SEP-96	<	.045 UGG
ABB-ES	ORGANICS/SOIL/GCMS		NB	OEK 26-AUG-96	13-SEP-96	<	.045 UGG
ABB-ES	ORGANICS/SOIL/GCMS		NB	OEK 03-SEP-96	11-SEP-96	<	.14 UGG
ABB-ES	ORGANICS/SOIL/GCMS		NB	OEK 06-SEP-96	23-SEP-96	<	.14 UGG
ABB-ES	ORGANICS/SOIL/GCMS		NB	OEK 26-AUG-96	13-SEP-96	<	.2 UGG
ABB-ES	ORGANICS/SOIL/GCMS		NB	OEK 03-SEP-96	11-SEP-96	<	.2 UGG
ABB-ES	ORGANICS/SOIL/GCMS		NB	OEK 06-SEP-96	23-SEP-96	<	.19 UGG
ABB-ES	ORGANICS/SOIL/GCMS		NB	OEK 26-AUG-96	13-SEP-96	<	.19 UGG
ABB-ES	ORGANICS/SOIL/GCMS		NB	OEK 03-SEP-96	11-SEP-96	<	.19 UGG
ABB-ES	ORGANICS/SOIL/GCMS		NB	OEK 06-SEP-96	23-SEP-96	<	.19 UGG

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Table: D-2
METHOD BLANKS (SOIL)
FT. DEVENS DIV4 1996

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value Unit
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PCB016	OETK	26-AUG-96	13-SEP-96	1.4 UGG
ABB-ES	ORGANICS/SOIL/GCMS		PCB016	OENK	03-SEP-96	11-SEP-96	1.4 UGG
ABB-ES	ORGANICS/SOIL/GCMS		PCB016	OENK	06-SEP-96	23-SEP-96	1.4 UGG
ABB-ES	ORGANICS/SOIL/GCMS		PCB221	OETK	26-AUG-96	13-SEP-96	1.4 UGG
ABB-ES	ORGANICS/SOIL/GCMS		PCB221	OENK	03-SEP-96	11-SEP-96	1.4 UGG
ABB-ES	ORGANICS/SOIL/GCMS		PCB221	OENK	06-SEP-96	23-SEP-96	1.4 UGG
ABB-ES	ORGANICS/SOIL/GCMS		PCB232	OETK	26-AUG-96	13-SEP-96	1.4 UGG
ABB-ES	ORGANICS/SOIL/GCMS		PCB232	OENK	03-SEP-96	11-SEP-96	1.4 UGG
ABB-ES	ORGANICS/SOIL/GCMS		PCB232	OENK	06-SEP-96	23-SEP-96	1.4 UGG
ABB-ES	ORGANICS/SOIL/GCMS		PCB242	OETK	26-AUG-96	13-SEP-96	1.4 UGG
ABB-ES	ORGANICS/SOIL/GCMS		PCB242	OENK	03-SEP-96	11-SEP-96	1.4 UGG
ABB-ES	ORGANICS/SOIL/GCMS		PCB242	OENK	06-SEP-96	23-SEP-96	1.4 UGG
ABB-ES	ORGANICS/SOIL/GCMS		PCB248	OETK	26-AUG-96	13-SEP-96	2 UGG
ABB-ES	ORGANICS/SOIL/GCMS		PCB248	OENK	03-SEP-96	11-SEP-96	2 UGG
ABB-ES	ORGANICS/SOIL/GCMS		PCB254	OETK	26-AUG-96	13-SEP-96	2.3 UGG
ABB-ES	ORGANICS/SOIL/GCMS		PCB254	OENK	03-SEP-96	11-SEP-96	2.3 UGG
ABB-ES	ORGANICS/SOIL/GCMS		PCB260	OETK	26-AUG-96	13-SEP-96	2.6 UGG
ABB-ES	ORGANICS/SOIL/GCMS		PCB260	OENK	03-SEP-96	11-SEP-96	2.6 UGG
ABB-ES	ORGANICS/SOIL/GCMS		PCB260	OENK	06-SEP-96	23-SEP-96	2.6 UGG
ABB-ES	ORGANICS/SOIL/GCMS		PCP	OETK	26-AUG-96	13-SEP-96	1.3 UGG
ABB-ES	ORGANICS/SOIL/GCMS		PCP	OENK	03-SEP-96	11-SEP-96	1.3 UGG
ABB-ES	ORGANICS/SOIL/GCMS		PCP	OENK	06-SEP-96	23-SEP-96	1.3 UGG
ABB-ES	ORGANICS/SOIL/GCMS		PHANTR	OETK	26-AUG-96	13-SEP-96	.033 UGG
ABB-ES	ORGANICS/SOIL/GCMS		PHANTR	OENK	03-SEP-96	11-SEP-96	.033 UGG
ABB-ES	ORGANICS/SOIL/GCMS		PHANTR	OENK	06-SEP-96	23-SEP-96	.033 UGG
ABB-ES	ORGANICS/SOIL/GCMS		PHENOL	OETK	26-AUG-96	13-SEP-96	.11 UGG
ABB-ES	ORGANICS/SOIL/GCMS		PHENOL	OENK	03-SEP-96	11-SEP-96	.11 UGG
ABB-ES	ORGANICS/SOIL/GCMS		PPDD	OETK	26-AUG-96	13-SEP-96	.27 UGG
ABB-ES	ORGANICS/SOIL/GCMS		PPDD	OENK	03-SEP-96	11-SEP-96	.27 UGG
ABB-ES	ORGANICS/SOIL/GCMS		PPDD	OENK	06-SEP-96	23-SEP-96	.27 UGG
ABB-ES	ORGANICS/SOIL/GCMS		PPDE	OETK	26-AUG-96	13-SEP-96	.31 UGG
ABB-ES	ORGANICS/SOIL/GCMS		PPDE	OENK	03-SEP-96	11-SEP-96	.31 UGG
ABB-ES	ORGANICS/SOIL/GCMS		PPDE	OENK	06-SEP-96	23-SEP-96	.31 UGG

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Table: D-2
METHOD BLANKS (SOIL)
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Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Unit
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PPDDT	OETK	26-AUG-96	13-SEP-96	.31	UGG
ABB-ES	ORGANICS/SOIL/GCMS		PPDDT	OEMK	03-SEP-96	11-SEP-96	.31	UGG
ABB-ES	ORGANICS/SOIL/GCMS		PPDDT	OEMK	06-SEP-96	23-SEP-96	.31	UGG
ABB-ES	ORGANICS/SOIL/GCMS		PYR	OETK	26-AUG-96	13-SEP-96	.033	UGG
ABB-ES	ORGANICS/SOIL/GCMS		PYR	OEMK	03-SEP-96	11-SEP-96	.033	UGG
ABB-ES	ORGANICS/SOIL/GCMS		PYR	OEMK	06-SEP-96	23-SEP-96	.033	UGG
ABB-ES	ORGANICS/SOIL/GCMS		TXPHEN	OETK	26-AUG-96	13-SEP-96	2.6	UGG
ABB-ES	ORGANICS/SOIL/GCMS		TXPHEN	OEMK	03-SEP-96	11-SEP-96	2.6	UGG
ABB-ES	ORGANICS/SOIL/GCMS		TXPHEN	OEMK	06-SEP-96	23-SEP-96	2.6	UGG
ABB-ES	ORGANICS/SOIL/GCMS		UNK658	OETK	26-AUG-96	13-SEP-96	.4	UGG
ABB-ES	ORGANICS/SOIL/GCMS		UNK658	OEMK	06-SEP-96	23-SEP-96	.4	UGG
ABB-ES	VOLATILES/SOIL/GCMS	LM19	111TCE	YGK	29-AUG-96	29-AUG-96	.0044	UGG
ABB-ES	VOLATILES/SOIL/GCMS		111TCE	YGK	30-AUG-96	30-AUG-96	.0044	UGG
ABB-ES	VOLATILES/SOIL/GCMS		111TCE	YGRK	11-SEP-96	11-SEP-96	.0044	UGG
ABB-ES	VOLATILES/SOIL/GCMS		112TCE	YGK	29-AUG-96	29-AUG-96	.0054	UGG
ABB-ES	VOLATILES/SOIL/GCMS		112TCE	YGK	30-AUG-96	30-AUG-96	.0054	UGG
ABB-ES	VOLATILES/SOIL/GCMS		112TCE	YGRK	11-SEP-96	11-SEP-96	.0054	UGG
ABB-ES	VOLATILES/SOIL/GCMS		11DCE	YGK	29-AUG-96	29-AUG-96	.0039	UGG
ABB-ES	VOLATILES/SOIL/GCMS		11DCE	YGK	30-AUG-96	30-AUG-96	.0039	UGG
ABB-ES	VOLATILES/SOIL/GCMS		11DCE	YGRK	11-SEP-96	11-SEP-96	.0039	UGG
ABB-ES	VOLATILES/SOIL/GCMS		11DCL	YGK	29-AUG-96	29-AUG-96	.0023	UGG
ABB-ES	VOLATILES/SOIL/GCMS		11DCL	YGK	30-AUG-96	30-AUG-96	.0023	UGG
ABB-ES	VOLATILES/SOIL/GCMS		11DCL	YGRK	11-SEP-96	11-SEP-96	.0023	UGG
ABB-ES	VOLATILES/SOIL/GCMS		12DCE	YGK	29-AUG-96	29-AUG-96	.003	UGG
ABB-ES	VOLATILES/SOIL/GCMS		12DCE	YGK	30-AUG-96	30-AUG-96	.003	UGG
ABB-ES	VOLATILES/SOIL/GCMS		12DCE	YGRK	11-SEP-96	11-SEP-96	.003	UGG
ABB-ES	VOLATILES/SOIL/GCMS		12DCL	YGK	29-AUG-96	29-AUG-96	.0017	UGG
ABB-ES	VOLATILES/SOIL/GCMS		12DCL	YGK	30-AUG-96	30-AUG-96	.0017	UGG
ABB-ES	VOLATILES/SOIL/GCMS		12DCLP	YGRK	11-SEP-96	11-SEP-96	.0029	UGG
ABB-ES	VOLATILES/SOIL/GCMS		12DCLP	YGRK	30-AUG-96	30-AUG-96	.0029	UGG
ABB-ES	VOLATILES/SOIL/GCMS		12DCLP	YGRK	11-SEP-96	11-SEP-96	.0029	UGG
ABB-ES	VOLATILES/SOIL/GCMS		2CLEVE	YGK	29-AUG-96	29-AUG-96	.01	UGG
ABB-ES	VOLATILES/SOIL/GCMS		2CLEVE	YGK	30-AUG-96	30-AUG-96	.01	UGG
ABB-ES	VOLATILES/SOIL/GCMS		2CLEVE	YGRK	11-SEP-96	11-SEP-96	.01	UGG

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Table: D-2
METHOD BLANKS (SOIL)
FT. DEVENS DV4 1996

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value Unit
ABB-ES	VOLATILES/SOIL/GCMS	LM19	2PROL	YGK 29-AUG-96	29-AUG-96	<	.79 UGG
ABB-ES	VOLATILES/SOIL/GCMS		2PROL	YGK 11-SEP-96	11-SEP-96	<	.79 UGG
ABB-ES	VOLATILES/SOIL/GCMS		ACET	YGK 29-AUG-96	29-AUG-96	<	.017 UGG
ABB-ES	VOLATILES/SOIL/GCMS		ACET	YGK 30-AUG-96	30-AUG-96	<	.017 UGG
ABB-ES	VOLATILES/SOIL/GCMS		ACET	YGK 11-SEP-96	11-SEP-96	<	.017 UGG
ABB-ES	VOLATILES/SOIL/GCMS		ACROLN	YGK 29-AUG-96	29-AUG-96	<	.1 UGG
ABB-ES	VOLATILES/SOIL/GCMS		ACROLN	YGK 30-AUG-96	30-AUG-96	<	.1 UGG
ABB-ES	VOLATILES/SOIL/GCMS		ACROLN	YGK 11-SEP-96	11-SEP-96	<	.1 UGG
ABB-ES	VOLATILES/SOIL/GCMS		ACRYLO	YGK 29-AUG-96	29-AUG-96	<	.1 UGG
ABB-ES	VOLATILES/SOIL/GCMS		ACRYLO	YGK 30-AUG-96	30-AUG-96	<	.1 UGG
ABB-ES	VOLATILES/SOIL/GCMS		ACRYLO	YGK 11-SEP-96	11-SEP-96	<	.1 UGG
ABB-ES	VOLATILES/SOIL/GCMS		BRDCLM	YGK 29-AUG-96	29-AUG-96	<	.0029 UGG
ABB-ES	VOLATILES/SOIL/GCMS		BRDCLM	YGK 30-AUG-96	30-AUG-96	<	.0029 UGG
ABB-ES	VOLATILES/SOIL/GCMS		BRDCLM	YGK 11-SEP-96	11-SEP-96	<	.0029 UGG
ABB-ES	VOLATILES/SOIL/GCMS		C130CP	YGK 29-AUG-96	29-AUG-96	<	.0032 UGG
ABB-ES	VOLATILES/SOIL/GCMS		C130CP	YGK 30-AUG-96	30-AUG-96	<	.0032 UGG
ABB-ES	VOLATILES/SOIL/GCMS		C130CP	YGK 11-SEP-96	11-SEP-96	<	.0032 UGG
ABB-ES	VOLATILES/SOIL/GCMS		C2AVE	YGK 29-AUG-96	29-AUG-96	<	.032 UGG
ABB-ES	VOLATILES/SOIL/GCMS		C2AVE	YGK 30-AUG-96	30-AUG-96	<	.032 UGG
ABB-ES	VOLATILES/SOIL/GCMS		C2AVE	YGK 11-SEP-96	11-SEP-96	<	.032 UGG
ABB-ES	VOLATILES/SOIL/GCMS		C2H3CL	YGK 29-AUG-96	29-AUG-96	<	.0062 UGG
ABB-ES	VOLATILES/SOIL/GCMS		C2H3CL	YGK 30-AUG-96	30-AUG-96	<	.0062 UGG
ABB-ES	VOLATILES/SOIL/GCMS		C2H3CL	YGK 11-SEP-96	11-SEP-96	<	.0062 UGG
ABB-ES	VOLATILES/SOIL/GCMS		C2H5CL	YGK 29-AUG-96	29-AUG-96	<	.012 UGG
ABB-ES	VOLATILES/SOIL/GCMS		C2H5CL	YGK 30-AUG-96	30-AUG-96	<	.012 UGG
ABB-ES	VOLATILES/SOIL/GCMS		C2H5CL	YGK 11-SEP-96	11-SEP-96	<	.012 UGG
ABB-ES	VOLATILES/SOIL/GCMS		C6H6	YGK 29-AUG-96	29-AUG-96	<	.0015 UGG
ABB-ES	VOLATILES/SOIL/GCMS		C6H6	YGK 30-AUG-96	30-AUG-96	<	.0015 UGG
ABB-ES	VOLATILES/SOIL/GCMS		C6H6	YGK 11-SEP-96	11-SEP-96	<	.0015 UGG
ABB-ES	VOLATILES/SOIL/GCMS		CCL2F2	YGK 29-AUG-96	29-AUG-96	<	.014 UGG
ABB-ES	VOLATILES/SOIL/GCMS		CCL2F2	YGK 30-AUG-96	30-AUG-96	<	.014 UGG
ABB-ES	VOLATILES/SOIL/GCMS		CCL3F	YGK 11-SEP-96	11-SEP-96	<	.0059 UGG
ABB-ES	VOLATILES/SOIL/GCMS		CCL3F	YGK 29-AUG-96	29-AUG-96	<	.0059 UGG
ABB-ES	VOLATILES/SOIL/GCMS		CCL3F	YGK 30-AUG-96	30-AUG-96	<	.0059 UGG
ABB-ES	VOLATILES/SOIL/GCMS		CCL4	YGK 11-SEP-96	11-SEP-96	<	.011 UGG
ABB-ES	VOLATILES/SOIL/GCMS		CCL4	YGK 29-AUG-96	29-AUG-96	<	.007 UGG
ABB-ES	VOLATILES/SOIL/GCMS		CCL4	YGK 30-AUG-96	30-AUG-96	<	.007 UGG

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Table: D-2
METHOD BLANKS (SOIL)
FT. DEVENS DV4 1996

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value Unit
ABB-ES	VOLATILES/SOIL/GCMS	LM19	CCL4	YGRK	11-SEP-96	11-SEP-96	.007 UGG
ABB-ES	VOLATILES/SOIL/GCMS		CH2CL2	YGMK	29-AUG-96	29-AUG-96	.012 UGG
ABB-ES	VOLATILES/SOIL/GCMS		CH2CL2	YGMK	30-AUG-96	30-AUG-96	.012 UGG
ABB-ES	VOLATILES/SOIL/GCMS		CH2CL2	YGRK	11-SEP-96	11-SEP-96	.012 UGG
ABB-ES	VOLATILES/SOIL/GCMS		CH3BR	YGMK	29-AUG-96	29-AUG-96	.0057 UGG
ABB-ES	VOLATILES/SOIL/GCMS		CH3BR	YGMK	30-AUG-96	30-AUG-96	.0057 UGG
ABB-ES	VOLATILES/SOIL/GCMS		CH3BR	YGRK	11-SEP-96	11-SEP-96	.0057 UGG
ABB-ES	VOLATILES/SOIL/GCMS		CH3CL	YGMK	29-AUG-96	29-AUG-96	.0088 UGG
ABB-ES	VOLATILES/SOIL/GCMS		CH3CL	YGMK	30-AUG-96	30-AUG-96	.0088 UGG
ABB-ES	VOLATILES/SOIL/GCMS		CH3CL	YGRK	11-SEP-96	11-SEP-96	.0088 UGG
ABB-ES	VOLATILES/SOIL/GCMS		CH3CN	YGMK	29-AUG-96	29-AUG-96	.23 UGG
ABB-ES	VOLATILES/SOIL/GCMS		CH3CN	YGRK	11-SEP-96	11-SEP-96	.23 UGG
ABB-ES	VOLATILES/SOIL/GCMS		CHBR3	YGMK	29-AUG-96	29-AUG-96	.0069 UGG
ABB-ES	VOLATILES/SOIL/GCMS		CHBR3	YGMK	30-AUG-96	30-AUG-96	.0069 UGG
ABB-ES	VOLATILES/SOIL/GCMS		CHBR3	YGRK	11-SEP-96	11-SEP-96	.0069 UGG
ABB-ES	VOLATILES/SOIL/GCMS		CHCL3	YGMK	29-AUG-96	29-AUG-96	.00087 UGG
ABB-ES	VOLATILES/SOIL/GCMS		CHCL3	YGMK	30-AUG-96	30-AUG-96	.00087 UGG
ABB-ES	VOLATILES/SOIL/GCMS		CHCL3	YGRK	11-SEP-96	11-SEP-96	.00087 UGG
ABB-ES	VOLATILES/SOIL/GCMS		CL2BZ	YGMK	29-AUG-96	29-AUG-96	.1 UGG
ABB-ES	VOLATILES/SOIL/GCMS		CL2BZ	YGMK	30-AUG-96	30-AUG-96	.1 UGG
ABB-ES	VOLATILES/SOIL/GCMS		CL2BZ	YGRK	11-SEP-96	11-SEP-96	.1 UGG
ABB-ES	VOLATILES/SOIL/GCMS		CLC6H5	YGMK	29-AUG-96	29-AUG-96	.00086 UGG
ABB-ES	VOLATILES/SOIL/GCMS		CLC6H5	YGMK	30-AUG-96	30-AUG-96	.00086 UGG
ABB-ES	VOLATILES/SOIL/GCMS		CLC6H5	YGRK	11-SEP-96	11-SEP-96	.00086 UGG
ABB-ES	VOLATILES/SOIL/GCMS		CS2	YGMK	29-AUG-96	29-AUG-96	.0044 UGG
ABB-ES	VOLATILES/SOIL/GCMS		CS2	YGMK	30-AUG-96	30-AUG-96	.0044 UGG
ABB-ES	VOLATILES/SOIL/GCMS		CS2	YGRK	11-SEP-96	11-SEP-96	.0044 UGG
ABB-ES	VOLATILES/SOIL/GCMS		DBRCLM	YGMK	29-AUG-96	29-AUG-96	.0031 UGG
ABB-ES	VOLATILES/SOIL/GCMS		DBRCLM	YGMK	30-AUG-96	30-AUG-96	.0031 UGG
ABB-ES	VOLATILES/SOIL/GCMS		DBRCLM	YGRK	11-SEP-96	11-SEP-96	.0031 UGG
ABB-ES	VOLATILES/SOIL/GCMS		ETC6H5	YGMK	29-AUG-96	29-AUG-96	.0017 UGG
ABB-ES	VOLATILES/SOIL/GCMS		ETC6H5	YGMK	30-AUG-96	30-AUG-96	.0017 UGG
ABB-ES	VOLATILES/SOIL/GCMS		ETC6H5	YGRK	11-SEP-96	11-SEP-96	.0017 UGG
ABB-ES	VOLATILES/SOIL/GCMS		ETOH	YGMK	29-AUG-96	29-AUG-96	3.7 UGG
ABB-ES	VOLATILES/SOIL/GCMS		ETOH	YGMK	30-AUG-96	30-AUG-96	3.7 UGG
ABB-ES	VOLATILES/SOIL/GCMS		ETOH	YGRK	11-SEP-96	11-SEP-96	3.7 UGG
ABB-ES	VOLATILES/SOIL/GCMS		MEC6H5	YGMK	29-AUG-96	29-AUG-96	.0038 UGG

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Table: D-2
METHOD BLANKS (WATER)
FT. DEVENS DV4 1996

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot Date	Prep Date	Analysis Date	Value	Unit
ABB-ES		1601	TDS	ZKLN	07-OCT-96	07-OCT-96	<	10000 UGL
ABB-ES		1602	TSS	ZKCN	14-OCT-96	14-OCT-96	<	4000 UGL
ABB-ES			TSS	ZKJM	07-OCT-96	07-OCT-96	<	4000 UGL
ABB-ES		4151	TOC	ZKLP	13-NOV-96	13-NOV-96	<	1000 UGL
ABB-ES		4181	TPHC	ZKEO	21-OCT-96	22-OCT-96	<	167000 UGL
ABB-ES			TPHC	ZKEO	21-OCT-96	22-OCT-96	<	167000 UGL
ABB-ES	METALS/WATER/CVAA	S801	HG	QJRF	22-OCT-96	22-OCT-96	<	.243 UGL
ABB-ES	METALS/WATER/GFAA	SD09	TL	UCGG	25-OCT-96	29-OCT-96	<	6.99 UGL
ABB-ES	METALS/WATER/GFAA	SD20	PB	WCVH	25-OCT-96	29-OCT-96	<	1.26 UGL
ABB-ES	METALS/WATER/GFAA	SD21	SE	XCLH	25-OCT-96	01-NOV-96	<	3.02 UGL
ABB-ES	METALS/WATER/GFAA	SD22	AS	YQGH	25-OCT-96	01-NOV-96	<	2.54 UGL
ABB-ES	METALS/WATER/GFAA	SD28	SB	NFKF	25-OCT-96	30-OCT-96	<	3.03 UGL
ABB-ES	METALS/WATER/ICP	SS18	AG	OGDE	23-OCT-96	23-OCT-96	<	4.42 UGL
ABB-ES	METALS/WATER/ICP		AL	OGDE	23-OCT-96	23-OCT-96	<	23.5 UGL
ABB-ES	METALS/WATER/ICP		BA	OGDE	23-OCT-96	23-OCT-96	<	2.5 UGL
ABB-ES	METALS/WATER/ICP		BE	OGDE	23-OCT-96	23-OCT-96	<	5 UGL
ABB-ES	METALS/WATER/ICP		CA	OGDE	23-OCT-96	23-OCT-96	<	1000 UGL
ABB-ES	METALS/WATER/ICP		CD	OGDE	23-OCT-96	23-OCT-96	<	3.01 UGL
ABB-ES	METALS/WATER/ICP		CO	OGDE	23-OCT-96	23-OCT-96	<	50 UGL
ABB-ES	METALS/WATER/ICP		CR	OGDE	23-OCT-96	23-OCT-96	<	6.96 UGL
ABB-ES	METALS/WATER/ICP		CJ	OGDE	23-OCT-96	23-OCT-96	<	5 UGL
ABB-ES	METALS/WATER/ICP		FE	OGDE	23-OCT-96	23-OCT-96	<	36.8 UGL
ABB-ES	METALS/WATER/ICP		K	OGDE	23-OCT-96	23-OCT-96	<	1000 UGL
ABB-ES	METALS/WATER/ICP		MG	OGDE	23-OCT-96	23-OCT-96	<	1000 UGL
ABB-ES	METALS/WATER/ICP		MN	OGDE	23-OCT-96	23-OCT-96	<	2.5 UGL
ABB-ES	METALS/WATER/ICP		NA	OGDE	23-OCT-96	23-OCT-96	<	2290 UGL

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Table: D-2
METHOD BLANKS (WATER)
FT. DEVENS DIV4 1996

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Unit
ABB-ES	METALS/WATER/ICP	SS18	NI	OGDE	23-OCT-96	23-OCT-96	7.11	UGL
ABB-ES	METALS/WATER/ICP		V	OGDE	23-OCT-96	23-OCT-96	4.69	UGL
ABB-ES	METALS/WATER/ICP		ZN	OGDE	23-OCT-96	23-OCT-96	35.8	UGL
ABB-ES	NIT/WATER/TECHNICON	TF22	NIT	ZGDE	22-OCT-96	22-OCT-96	10	UGL
ABB-ES	TOTAL NITROGEN/WATER/TECH	TF26	NZKJEL	SHOB	28-OCT-96	28-OCT-96	183	UGL
ABB-ES	PHOSPHATES/WATER/TECHNICON	TF27	P04	WHAC	21-OCT-96	22-OCT-96	13.3	UGL
ABB-ES	PESTICIDES/WATER/GCEC	UH02	PC8016	SDQF	04-OCT-96	13-OCT-96	.16	UGL
ABB-ES	PESTICIDES/WATER/GCEC		PC8221	SDQF	04-OCT-96	13-OCT-96	.16	UGL
ABB-ES	PESTICIDES/WATER/GCEC		PC8232	SDQF	04-OCT-96	13-OCT-96	.16	UGL
ABB-ES	PESTICIDES/WATER/GCEC		PC8242	SDQF	04-OCT-96	13-OCT-96	.19	UGL
ABB-ES	PESTICIDES/WATER/GCEC		PC8248	SDQF	04-OCT-96	13-OCT-96	.19	UGL
ABB-ES	PESTICIDES/WATER/GCEC		PC8254	SDQF	04-OCT-96	13-OCT-96	.19	UGL
ABB-ES	PESTICIDES/WATER/GCEC		PC8260	SDQF	04-OCT-96	13-OCT-96	.19	UGL
ABB-ES	PESTICIDES/WATER/GCEC	UH13	ABHC	TDBG	04-OCT-96	30-OCT-96	.0385	UGL
ABB-ES	PESTICIDES/WATER/GCEC		ABHC	TDEG	15-OCT-96	31-OCT-96	.0385	UGL
ABB-ES	PESTICIDES/WATER/GCEC		ACLDAN	TDBG	04-OCT-96	30-OCT-96	.075	UGL
ABB-ES	PESTICIDES/WATER/GCEC		ACLDAN	TDEG	15-OCT-96	31-OCT-96	.075	UGL
ABB-ES	PESTICIDES/WATER/GCEC		AENSLF	TDBG	04-OCT-96	30-OCT-96	.023	UGL
ABB-ES	PESTICIDES/WATER/GCEC		AENSLF	TDEG	15-OCT-96	31-OCT-96	.023	UGL
ABB-ES	PESTICIDES/WATER/GCEC		ALDRN	TDBG	04-OCT-96	30-OCT-96	.0918	UGL
ABB-ES	PESTICIDES/WATER/GCEC		ALDRN	TDEG	15-OCT-96	31-OCT-96	.0918	UGL
ABB-ES	PESTICIDES/WATER/GCEC		BBHC	TDBG	04-OCT-96	30-OCT-96	.024	UGL
ABB-ES	PESTICIDES/WATER/GCEC		BBHC	TDEG	15-OCT-96	31-OCT-96	.024	UGL
ABB-ES	PESTICIDES/WATER/GCEC		BENSLF	TDBG	04-OCT-96	30-OCT-96	.023	UGL
ABB-ES	PESTICIDES/WATER/GCEC		BENSLF	TDEG	15-OCT-96	31-OCT-96	.023	UGL
ABB-ES	PESTICIDES/WATER/GCEC		DBHC	TDBG	04-OCT-96	30-OCT-96	.0293	UGL
ABB-ES	PESTICIDES/WATER/GCEC		DBHC	TDEG	15-OCT-96	31-OCT-96	.0293	UGL
ABB-ES	PESTICIDES/WATER/GCEC		DIAZ	TDBG	04-OCT-96	30-OCT-96	.188	UGL
ABB-ES	PESTICIDES/WATER/GCEC		DIAZ	TDEG	15-OCT-96	31-OCT-96	.188	UGL
ABB-ES	PESTICIDES/WATER/GCEC		DLDRN	TDBG	04-OCT-96	30-OCT-96	.024	UGL
ABB-ES	PESTICIDES/WATER/GCEC		DLDRN	TDEG	15-OCT-96	31-OCT-96	.024	UGL

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Table: D-2
METHOD BLANKS (WATER)
FT. DEVENS DV4 1996

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Unit
ABB-ES	PESTICIDES/WATER/GCEC	UH13	ENDRN	TDBG	04-OCT-96	30-OCT-96	<	.0238 UGL
ABB-ES	PESTICIDES/WATER/GCEC		ENDRN	TDEG	15-OCT-96	31-OCT-96	<	.0238 UGL
ABB-ES	PESTICIDES/WATER/GCEC		ENDRNA	TDBG	04-OCT-96	30-OCT-96	<	.0285 UGL
ABB-ES	PESTICIDES/WATER/GCEC		ENDRNA	TDEG	15-OCT-96	31-OCT-96	<	.0285 UGL
ABB-ES	PESTICIDES/WATER/GCEC		ENDRNK	TDBG	04-OCT-96	30-OCT-96	<	.0285 UGL
ABB-ES	PESTICIDES/WATER/GCEC		ENDRNK	TDEG	15-OCT-96	31-OCT-96	<	.0285 UGL
ABB-ES	PESTICIDES/WATER/GCEC		ESFS04	TDBG	04-OCT-96	30-OCT-96	<	.0786 UGL
ABB-ES	PESTICIDES/WATER/GCEC		ESFS04	TDEG	15-OCT-96	31-OCT-96	<	.0786 UGL
ABB-ES	PESTICIDES/WATER/GCEC		GCLDAN	TDBG	04-OCT-96	30-OCT-96	<	.075 UGL
ABB-ES	PESTICIDES/WATER/GCEC		GCLDAN	TDEG	15-OCT-96	31-OCT-96	<	.075 UGL
ABB-ES	PESTICIDES/WATER/GCEC		HPCL	TDBG	04-OCT-96	30-OCT-96	<	.0423 UGL
ABB-ES	PESTICIDES/WATER/GCEC		HPCL	TDEG	15-OCT-96	31-OCT-96	<	.0423 UGL
ABB-ES	PESTICIDES/WATER/GCEC		HPCL	TDBG	04-OCT-96	30-OCT-96	<	.0245 UGL
ABB-ES	PESTICIDES/WATER/GCEC		HPCL	TDEG	15-OCT-96	31-OCT-96	<	.0245 UGL
ABB-ES	PESTICIDES/WATER/GCEC		ISDOR	TDBG	04-OCT-96	30-OCT-96	<	.0562 UGL
ABB-ES	PESTICIDES/WATER/GCEC		ISDOR	TDEG	15-OCT-96	31-OCT-96	<	.0562 UGL
ABB-ES	PESTICIDES/WATER/GCEC		LIN	TDBG	04-OCT-96	30-OCT-96	<	.0507 UGL
ABB-ES	PESTICIDES/WATER/GCEC		LIN	TDEG	15-OCT-96	31-OCT-96	<	.0507 UGL
ABB-ES	PESTICIDES/WATER/GCEC		MEXCLR	TDBG	04-OCT-96	30-OCT-96	<	.057 UGL
ABB-ES	PESTICIDES/WATER/GCEC		MEXCLR	TDEG	15-OCT-96	31-OCT-96	<	.057 UGL
ABB-ES	PESTICIDES/WATER/GCEC		MLTHN	TDBG	04-OCT-96	30-OCT-96	<	.188 UGL
ABB-ES	PESTICIDES/WATER/GCEC		MLTHN	TDEG	15-OCT-96	31-OCT-96	<	.188 UGL
ABB-ES	PESTICIDES/WATER/GCEC	UM18	PPDD	TDBG	04-OCT-96	30-OCT-96	<	.0233 UGL
ABB-ES	PESTICIDES/WATER/GCEC		PPDD	TDEG	15-OCT-96	31-OCT-96	<	.0233 UGL
ABB-ES	PESTICIDES/WATER/GCEC		PPDE	TDBG	04-OCT-96	30-OCT-96	<	.027 UGL
ABB-ES	PESTICIDES/WATER/GCEC		PPDE	TDEG	15-OCT-96	31-OCT-96	<	.027 UGL
ABB-ES	PESTICIDES/WATER/GCEC		PPDT	TDBG	04-OCT-96	30-OCT-96	<	.034 UGL
ABB-ES	PESTICIDES/WATER/GCEC		PPDT	TDEG	15-OCT-96	31-OCT-96	<	.034 UGL
ABB-ES	PESTICIDES/WATER/GCEC		TXPHEN	TDBG	04-OCT-96	30-OCT-96	<	1.35 UGL
ABB-ES	PESTICIDES/WATER/GCEC		TXPHEN	TDEG	15-OCT-96	31-OCT-96	<	1.35 UGL
ABB-ES	ORGANICS/WATER/GCMS		124TCB	WDM	04-OCT-96	08-OCT-96	<	1.8 UGL
ABB-ES	ORGANICS/WATER/GCMS		124TCB	WDM	15-OCT-96	16-OCT-96	<	1.8 UGL
ABB-ES	ORGANICS/WATER/GCMS		12DCLB	WDM	04-OCT-96	08-OCT-96	<	1.7 UGL
ABB-ES	ORGANICS/WATER/GCMS		12DCLB	WDM	15-OCT-96	16-OCT-96	<	1.7 UGL
ABB-ES	ORGANICS/WATER/GCMS		12DPH	WDM	04-OCT-96	08-OCT-96	<	2 UGL

Appendix D-3
Table: D-2
METHOD BLANKS (WATER)
FT. DEVENS DV4 1996

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value Unit
ABB-ES	ORGANICS/WATER/GCMS	UM18	12DPH	WDOM	15-OCT-96	16-OCT-96	2 UGL
ABB-ES	ORGANICS/WATER/GCMS		13DCLB	WDOM	04-OCT-96	08-OCT-96	1.7 UGL
ABB-ES	ORGANICS/WATER/GCMS		13DCLB	WDOM	15-OCT-96	16-OCT-96	1.7 UGL
ABB-ES	ORGANICS/WATER/GCMS		14DCLB	WDOM	04-OCT-96	08-OCT-96	1.7 UGL
ABB-ES	ORGANICS/WATER/GCMS		14DCLB	WDOM	15-OCT-96	16-OCT-96	1.7 UGL
ABB-ES	ORGANICS/WATER/GCMS		245TCP	WDOM	04-OCT-96	08-OCT-96	5.2 UGL
ABB-ES	ORGANICS/WATER/GCMS		245TCP	WDOM	15-OCT-96	16-OCT-96	5.2 UGL
ABB-ES	ORGANICS/WATER/GCMS		246TCP	WDOM	04-OCT-96	08-OCT-96	4.2 UGL
ABB-ES	ORGANICS/WATER/GCMS		246TCP	WDOM	15-OCT-96	16-OCT-96	4.2 UGL
ABB-ES	ORGANICS/WATER/GCMS		24DCLP	WDOM	04-OCT-96	08-OCT-96	2.9 UGL
ABB-ES	ORGANICS/WATER/GCMS		24DCLP	WDOM	15-OCT-96	16-OCT-96	2.9 UGL
ABB-ES	ORGANICS/WATER/GCMS		24DMPN	WDOM	04-OCT-96	08-OCT-96	5.8 UGL
ABB-ES	ORGANICS/WATER/GCMS		24DMPN	WDOM	15-OCT-96	16-OCT-96	5.8 UGL
ABB-ES	ORGANICS/WATER/GCMS		24DNP	WDOM	04-OCT-96	08-OCT-96	21 UGL
ABB-ES	ORGANICS/WATER/GCMS		24DNP	WDOM	15-OCT-96	16-OCT-96	4.5 UGL
ABB-ES	ORGANICS/WATER/GCMS		24DNT	WDOM	04-OCT-96	08-OCT-96	4.5 UGL
ABB-ES	ORGANICS/WATER/GCMS		24DNT	WDOM	15-OCT-96	16-OCT-96	.79 UGL
ABB-ES	ORGANICS/WATER/GCMS		26DNT	WDOM	04-OCT-96	08-OCT-96	.79 UGL
ABB-ES	ORGANICS/WATER/GCMS		26DNT	WDOM	15-OCT-96	16-OCT-96	.99 UGL
ABB-ES	ORGANICS/WATER/GCMS		2CLP	WDOM	04-OCT-96	08-OCT-96	.99 UGL
ABB-ES	ORGANICS/WATER/GCMS		2CLP	WDOM	15-OCT-96	16-OCT-96	.5 UGL
ABB-ES	ORGANICS/WATER/GCMS		2CNAP	WDOM	04-OCT-96	08-OCT-96	.5 UGL
ABB-ES	ORGANICS/WATER/GCMS		2CNAP	WDOM	15-OCT-96	16-OCT-96	1.7 UGL
ABB-ES	ORGANICS/WATER/GCMS		2NNAP	WDOM	04-OCT-96	08-OCT-96	3.9 UGL
ABB-ES	ORGANICS/WATER/GCMS		2NNAP	WDOM	15-OCT-96	16-OCT-96	3.9 UGL
ABB-ES	ORGANICS/WATER/GCMS		2NP	WDOM	04-OCT-96	08-OCT-96	4.3 UGL
ABB-ES	ORGANICS/WATER/GCMS		2NP	WDOM	15-OCT-96	16-OCT-96	4.3 UGL
ABB-ES	ORGANICS/WATER/GCMS		2NANIL	WDOM	04-OCT-96	08-OCT-96	3.7 UGL
ABB-ES	ORGANICS/WATER/GCMS		2NANIL	WDOM	15-OCT-96	16-OCT-96	3.7 UGL
ABB-ES	ORGANICS/WATER/GCMS		33DCBD	WDOM	04-OCT-96	08-OCT-96	12 UGL
ABB-ES	ORGANICS/WATER/GCMS		33DCBD	WDOM	15-OCT-96	16-OCT-96	12 UGL
ABB-ES	ORGANICS/WATER/GCMS		3NANIL	WDOM	04-OCT-96	08-OCT-96	4.9 UGL
ABB-ES	ORGANICS/WATER/GCMS		3NANIL	WDOM	15-OCT-96	16-OCT-96	4.9 UGL
ABB-ES	ORGANICS/WATER/GCMS		46DN2C	WDOM	04-OCT-96	08-OCT-96	17 UGL

Appendix D-3
Table: D-2
METHOD BLANKS (WATER)
FT. DEVENS DV4 1996

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value Unit
ABB-ES	ORGANICS/WATER/GCMS	UM18	460N2C	WDOM	15-OCT-96	16-OCT-96	17 UGL
ABB-ES	ORGANICS/WATER/GCMS		4BRPPE	WDOM	04-OCT-96	08-OCT-96	4.2 UGL
ABB-ES	ORGANICS/WATER/GCMS		4BRPPE	WDOM	15-OCT-96	16-OCT-96	4.2 UGL
ABB-ES	ORGANICS/WATER/GCMS		4CANIL	WDOM	04-OCT-96	08-OCT-96	7.3 UGL
ABB-ES	ORGANICS/WATER/GCMS		4CANIL	WDOM	15-OCT-96	16-OCT-96	7.3 UGL
ABB-ES	ORGANICS/WATER/GCMS		4CL3C	WDOM	04-OCT-96	08-OCT-96	4 UGL
ABB-ES	ORGANICS/WATER/GCMS		4CL3C	WDOM	15-OCT-96	16-OCT-96	4 UGL
ABB-ES	ORGANICS/WATER/GCMS		4CLPPE	WDOM	04-OCT-96	08-OCT-96	5.1 UGL
ABB-ES	ORGANICS/WATER/GCMS		4CLPPE	WDOM	15-OCT-96	16-OCT-96	5.1 UGL
ABB-ES	ORGANICS/WATER/GCMS		4MP	WDOM	04-OCT-96	08-OCT-96	.52 UGL
ABB-ES	ORGANICS/WATER/GCMS		4MP	WDOM	15-OCT-96	16-OCT-96	.52 UGL
ABB-ES	ORGANICS/WATER/GCMS		4NANIL	WDOM	04-OCT-96	08-OCT-96	5.2 UGL
ABB-ES	ORGANICS/WATER/GCMS		4NANIL	WDOM	15-OCT-96	16-OCT-96	5.2 UGL
ABB-ES	ORGANICS/WATER/GCMS		4NP	WDOM	04-OCT-96	08-OCT-96	12 UGL
ABB-ES	ORGANICS/WATER/GCMS		4NP	WDOM	15-OCT-96	16-OCT-96	12 UGL
ABB-ES	ORGANICS/WATER/GCMS		ABHC	WDOM	04-OCT-96	08-OCT-96	4 UGL
ABB-ES	ORGANICS/WATER/GCMS		ABHC	WDOM	15-OCT-96	16-OCT-96	4 UGL
ABB-ES	ORGANICS/WATER/GCMS		ACLDAN	WDOM	04-OCT-96	08-OCT-96	5.1 UGL
ABB-ES	ORGANICS/WATER/GCMS		ACLDAN	WDOM	15-OCT-96	16-OCT-96	5.1 UGL
ABB-ES	ORGANICS/WATER/GCMS		AENSLF	WDOM	04-OCT-96	08-OCT-96	9.2 UGL
ABB-ES	ORGANICS/WATER/GCMS		AENSLF	WDOM	15-OCT-96	16-OCT-96	9.2 UGL
ABB-ES	ORGANICS/WATER/GCMS		ALDRN	WDOM	04-OCT-96	08-OCT-96	4.7 UGL
ABB-ES	ORGANICS/WATER/GCMS		ALDRN	WDOM	15-OCT-96	16-OCT-96	4.7 UGL
ABB-ES	ORGANICS/WATER/GCMS		ANAPNE	WDOM	04-OCT-96	08-OCT-96	1.7 UGL
ABB-ES	ORGANICS/WATER/GCMS		ANAPNE	WDOM	15-OCT-96	16-OCT-96	1.7 UGL
ABB-ES	ORGANICS/WATER/GCMS		ANAPYL	WDOM	04-OCT-96	08-OCT-96	.5 UGL
ABB-ES	ORGANICS/WATER/GCMS		ANAPYL	WDOM	15-OCT-96	16-OCT-96	.5 UGL
ABB-ES	ORGANICS/WATER/GCMS		ANIL	WDOM	04-OCT-96	08-OCT-96	4.4 UGL
ABB-ES	ORGANICS/WATER/GCMS		ANIL	WDOM	15-OCT-96	16-OCT-96	4.4 UGL
ABB-ES	ORGANICS/WATER/GCMS		ANTRC	WDOM	04-OCT-96	08-OCT-96	.5 UGL
ABB-ES	ORGANICS/WATER/GCMS		ANTRC	WDOM	15-OCT-96	16-OCT-96	.5 UGL
ABB-ES	ORGANICS/WATER/GCMS		B2CEXM	WDOM	04-OCT-96	08-OCT-96	1.5 UGL
ABB-ES	ORGANICS/WATER/GCMS		B2CEXM	WDOM	15-OCT-96	16-OCT-96	1.5 UGL
ABB-ES	ORGANICS/WATER/GCMS		B2CIPE	WDOM	04-OCT-96	08-OCT-96	5.3 UGL
ABB-ES	ORGANICS/WATER/GCMS		B2CIPE	WDOM	15-OCT-96	16-OCT-96	5.3 UGL
ABB-ES	ORGANICS/WATER/GCMS		B2CLEE	WDOM	04-OCT-96	08-OCT-96	1.9 UGL

Appendix D-3
Table: D-2
METHOD BLANKS (WATER)
FT. DEVENS DV4 1996

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value Unit
ABB-ES	ORGANICS/WATER/GCMS	UM18	B2CLEE	WDOM	15-OCT-96	16-OCT-96	1.9 UGL
ABB-ES	ORGANICS/WATER/GCMS		B2EHP	WDOM	04-OCT-96	08-OCT-96	4.8 UGL
ABB-ES	ORGANICS/WATER/GCMS		B2EHP	WDOM	15-OCT-96	16-OCT-96	4.8 UGL
ABB-ES	ORGANICS/WATER/GCMS		BAANTR	WDOM	04-OCT-96	08-OCT-96	1.6 UGL
ABB-ES	ORGANICS/WATER/GCMS		BAANTR	WDOM	15-OCT-96	16-OCT-96	1.6 UGL
ABB-ES	ORGANICS/WATER/GCMS		BAPYR	WDOM	04-OCT-96	08-OCT-96	4.7 UGL
ABB-ES	ORGANICS/WATER/GCMS		BAPYR	WDOM	15-OCT-96	16-OCT-96	4.7 UGL
ABB-ES	ORGANICS/WATER/GCMS		BBFANT	WDOM	04-OCT-96	08-OCT-96	5.4 UGL
ABB-ES	ORGANICS/WATER/GCMS		BBFANT	WDOM	15-OCT-96	16-OCT-96	5.4 UGL
ABB-ES	ORGANICS/WATER/GCMS		BBHC	WDOM	04-OCT-96	08-OCT-96	4 UGL
ABB-ES	ORGANICS/WATER/GCMS		BBHC	WDOM	15-OCT-96	16-OCT-96	4 UGL
ABB-ES	ORGANICS/WATER/GCMS		BBZP	WDOM	04-OCT-96	08-OCT-96	3.4 UGL
ABB-ES	ORGANICS/WATER/GCMS		BBZP	WDOM	15-OCT-96	16-OCT-96	3.4 UGL
ABB-ES	ORGANICS/WATER/GCMS		BENSLF	WDOM	04-OCT-96	08-OCT-96	9.2 UGL
ABB-ES	ORGANICS/WATER/GCMS		BENSLF	WDOM	15-OCT-96	16-OCT-96	9.2 UGL
ABB-ES	ORGANICS/WATER/GCMS		BENZID	WDOM	04-OCT-96	08-OCT-96	10 UGL
ABB-ES	ORGANICS/WATER/GCMS		BENZID	WDOM	15-OCT-96	16-OCT-96	10 UGL
ABB-ES	ORGANICS/WATER/GCMS		BENZO	WDOM	04-OCT-96	08-OCT-96	13 UGL
ABB-ES	ORGANICS/WATER/GCMS		BENZO	WDOM	15-OCT-96	16-OCT-96	13 UGL
ABB-ES	ORGANICS/WATER/GCMS		BGHIPY	WDOM	04-OCT-96	08-OCT-96	6.1 UGL
ABB-ES	ORGANICS/WATER/GCMS		BGHIPY	WDOM	15-OCT-96	16-OCT-96	6.1 UGL
ABB-ES	ORGANICS/WATER/GCMS		BKFANT	WDOM	04-OCT-96	08-OCT-96	.87 UGL
ABB-ES	ORGANICS/WATER/GCMS		BKFANT	WDOM	15-OCT-96	16-OCT-96	.87 UGL
ABB-ES	ORGANICS/WATER/GCMS		BZALC	WDOM	04-OCT-96	08-OCT-96	.72 UGL
ABB-ES	ORGANICS/WATER/GCMS		BZALC	WDOM	15-OCT-96	16-OCT-96	.72 UGL
ABB-ES	ORGANICS/WATER/GCMS		CARBZ	WDOM	04-OCT-96	08-OCT-96	2 UGL
ABB-ES	ORGANICS/WATER/GCMS		CARBZ	WDOM	15-OCT-96	16-OCT-96	2 UGL
ABB-ES	ORGANICS/WATER/GCMS		CHRY	WDOM	04-OCT-96	08-OCT-96	2.4 UGL
ABB-ES	ORGANICS/WATER/GCMS		CHRY	WDOM	15-OCT-96	16-OCT-96	2.4 UGL
ABB-ES	ORGANICS/WATER/GCMS		CL6BZ	WDOM	04-OCT-96	08-OCT-96	1.6 UGL
ABB-ES	ORGANICS/WATER/GCMS		CL6BZ	WDOM	15-OCT-96	16-OCT-96	1.6 UGL
ABB-ES	ORGANICS/WATER/GCMS		CL6CP	WDOM	04-OCT-96	08-OCT-96	8.6 UGL
ABB-ES	ORGANICS/WATER/GCMS		CL6CP	WDOM	15-OCT-96	16-OCT-96	8.6 UGL
ABB-ES	ORGANICS/WATER/GCMS		CL6ET	WDOM	04-OCT-96	08-OCT-96	1.5 UGL
ABB-ES	ORGANICS/WATER/GCMS		CL6ET	WDOM	15-OCT-96	16-OCT-96	1.5 UGL
ABB-ES	ORGANICS/WATER/GCMS		DBAHA	WDOM	04-OCT-96	08-OCT-96	6.5 UGL

Appendix D-3
Table: D-2
METHOD BLANKS (WATER)
FT. DEVENS DV4 1996

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Unit
ABB-ES	ORGANICS/WATER/GCMS	UM18	DBAHA	WDOM	15-OCT-96	16-OCT-96	6.5	UGL
ABB-ES	ORGANICS/WATER/GCMS		DBHC	WDIM	04-OCT-96	08-OCT-96	4	UGL
ABB-ES	ORGANICS/WATER/GCMS		DBHC	WDOM	15-OCT-96	16-OCT-96	4	UGL
ABB-ES	ORGANICS/WATER/GCMS		DBZFUR	WDIM	04-OCT-96	08-OCT-96	1.7	UGL
ABB-ES	ORGANICS/WATER/GCMS		DBZFUR	WDOM	15-OCT-96	16-OCT-96	1.7	UGL
ABB-ES	ORGANICS/WATER/GCMS		DEP	WDIM	04-OCT-96	08-OCT-96	2	UGL
ABB-ES	ORGANICS/WATER/GCMS		DEP	WDOM	15-OCT-96	16-OCT-96	2	UGL
ABB-ES	ORGANICS/WATER/GCMS		DLDRN	WDIM	04-OCT-96	08-OCT-96	4.7	UGL
ABB-ES	ORGANICS/WATER/GCMS		DLDRN	WDOM	15-OCT-96	16-OCT-96	4.7	UGL
ABB-ES	ORGANICS/WATER/GCMS		DMP	WDIM	04-OCT-96	08-OCT-96	1.5	UGL
ABB-ES	ORGANICS/WATER/GCMS		DMP	WDOM	15-OCT-96	16-OCT-96	1.5	UGL
ABB-ES	ORGANICS/WATER/GCMS		DNBP	WDIM	04-OCT-96	08-OCT-96	3.7	UGL
ABB-ES	ORGANICS/WATER/GCMS		DNBP	WDOM	15-OCT-96	16-OCT-96	3.7	UGL
ABB-ES	ORGANICS/WATER/GCMS		DNOP	WDIM	04-OCT-96	08-OCT-96	15	UGL
ABB-ES	ORGANICS/WATER/GCMS		DNOP	WDOM	15-OCT-96	16-OCT-96	15	UGL
ABB-ES	ORGANICS/WATER/GCMS		DPA	WDIM	04-OCT-96	08-OCT-96	2.5	UGL
ABB-ES	ORGANICS/WATER/GCMS		DPA	WDOM	15-OCT-96	16-OCT-96	2.5	UGL
ABB-ES	ORGANICS/WATER/GCMS		ENDRN	WDIM	04-OCT-96	08-OCT-96	7.6	UGL
ABB-ES	ORGANICS/WATER/GCMS		ENDRN	WDOM	15-OCT-96	16-OCT-96	7.6	UGL
ABB-ES	ORGANICS/WATER/GCMS		ENDRNA	WDIM	04-OCT-96	08-OCT-96	8	UGL
ABB-ES	ORGANICS/WATER/GCMS		ENDRNA	WDOM	15-OCT-96	16-OCT-96	8	UGL
ABB-ES	ORGANICS/WATER/GCMS		ENDRNK	WDIM	04-OCT-96	08-OCT-96	8	UGL
ABB-ES	ORGANICS/WATER/GCMS		ENDRNK	WDOM	15-OCT-96	16-OCT-96	8	UGL
ABB-ES	ORGANICS/WATER/GCMS		ESFSO4	WDIM	04-OCT-96	08-OCT-96	9.2	UGL
ABB-ES	ORGANICS/WATER/GCMS		ESFSO4	WDOM	15-OCT-96	16-OCT-96	9.2	UGL
ABB-ES	ORGANICS/WATER/GCMS		FANT	WDIM	04-OCT-96	08-OCT-96	3.3	UGL
ABB-ES	ORGANICS/WATER/GCMS		FANT	WDOM	15-OCT-96	16-OCT-96	3.3	UGL
ABB-ES	ORGANICS/WATER/GCMS		FLRENE	WDIM	04-OCT-96	08-OCT-96	3.7	UGL
ABB-ES	ORGANICS/WATER/GCMS		FLRENE	WDOM	15-OCT-96	16-OCT-96	3.7	UGL
ABB-ES	ORGANICS/WATER/GCMS		GCLDAN	WDIM	04-OCT-96	08-OCT-96	5.1	UGL
ABB-ES	ORGANICS/WATER/GCMS		GCLDAN	WDOM	15-OCT-96	16-OCT-96	5.1	UGL
ABB-ES	ORGANICS/WATER/GCMS		HCBD	WDIM	04-OCT-96	08-OCT-96	3.4	UGL
ABB-ES	ORGANICS/WATER/GCMS		HCBD	WDOM	15-OCT-96	16-OCT-96	3.4	UGL
ABB-ES	ORGANICS/WATER/GCMS		HPCL	WDIM	04-OCT-96	08-OCT-96	2	UGL
ABB-ES	ORGANICS/WATER/GCMS		HPCL	WDOM	15-OCT-96	16-OCT-96	2	UGL
ABB-ES	ORGANICS/WATER/GCMS		HPCLE	WDIM	04-OCT-96	08-OCT-96	5	UGL

Appendix D-3
Table: D-2
METHOD BLANKS (WATER)
FT. DEVENS DIV4 1996

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Unit
ABB-ES	ORGANICS/WATER/GCMS	UM18	HPCL	WDOM	15-OCT-96	16-OCT-96	5	UGL
ABB-ES	ORGANICS/WATER/GCMS		ICOPYR	WDOM	04-OCT-96	08-OCT-96	8.6	UGL
ABB-ES	ORGANICS/WATER/GCMS		ICOPYR	WDOM	15-OCT-96	16-OCT-96	8.6	UGL
ABB-ES	ORGANICS/WATER/GCMS		ISOPHR	WDOM	04-OCT-96	08-OCT-96	4.8	UGL
ABB-ES	ORGANICS/WATER/GCMS		ISOPHR	WDOM	15-OCT-96	16-OCT-96	4.8	UGL
ABB-ES	ORGANICS/WATER/GCMS		LIN	WDOM	04-OCT-96	08-OCT-96	4	UGL
ABB-ES	ORGANICS/WATER/GCMS		LIN	WDOM	15-OCT-96	16-OCT-96	4	UGL
ABB-ES	ORGANICS/WATER/GCMS		MEXCLR	WDOM	04-OCT-96	08-OCT-96	5.1	UGL
ABB-ES	ORGANICS/WATER/GCMS		MEXCLR	WDOM	15-OCT-96	16-OCT-96	5.1	UGL
ABB-ES	ORGANICS/WATER/GCMS		NAP	WDOM	04-OCT-96	08-OCT-96	.5	UGL
ABB-ES	ORGANICS/WATER/GCMS		NAP	WDOM	15-OCT-96	16-OCT-96	.5	UGL
ABB-ES	ORGANICS/WATER/GCMS		NB	WDOM	04-OCT-96	08-OCT-96	.5	UGL
ABB-ES	ORGANICS/WATER/GCMS		NB	WDOM	15-OCT-96	16-OCT-96	.5	UGL
ABB-ES	ORGANICS/WATER/GCMS		NNDMEA	WDOM	04-OCT-96	08-OCT-96	2	UGL
ABB-ES	ORGANICS/WATER/GCMS		NNDMEA	WDOM	15-OCT-96	16-OCT-96	2	UGL
ABB-ES	ORGANICS/WATER/GCMS		NNDNPA	WDOM	04-OCT-96	08-OCT-96	4.4	UGL
ABB-ES	ORGANICS/WATER/GCMS		NNDNPA	WDOM	15-OCT-96	16-OCT-96	4.4	UGL
ABB-ES	ORGANICS/WATER/GCMS		NNDPA	WDOM	04-OCT-96	08-OCT-96	3	UGL
ABB-ES	ORGANICS/WATER/GCMS		NNDPA	WDOM	15-OCT-96	16-OCT-96	3	UGL
ABB-ES	ORGANICS/WATER/GCMS		PCB016	WDOM	04-OCT-96	08-OCT-96	21	UGL
ABB-ES	ORGANICS/WATER/GCMS		PCB016	WDOM	15-OCT-96	16-OCT-96	21	UGL
ABB-ES	ORGANICS/WATER/GCMS		PCB221	WDOM	04-OCT-96	08-OCT-96	21	UGL
ABB-ES	ORGANICS/WATER/GCMS		PCB221	WDOM	15-OCT-96	16-OCT-96	21	UGL
ABB-ES	ORGANICS/WATER/GCMS		PCB232	WDOM	04-OCT-96	08-OCT-96	21	UGL
ABB-ES	ORGANICS/WATER/GCMS		PCB232	WDOM	15-OCT-96	16-OCT-96	21	UGL
ABB-ES	ORGANICS/WATER/GCMS		PCB242	WDOM	04-OCT-96	08-OCT-96	30	UGL
ABB-ES	ORGANICS/WATER/GCMS		PCB242	WDOM	15-OCT-96	16-OCT-96	30	UGL
ABB-ES	ORGANICS/WATER/GCMS		PCB248	WDOM	04-OCT-96	08-OCT-96	30	UGL
ABB-ES	ORGANICS/WATER/GCMS		PCB248	WDOM	15-OCT-96	16-OCT-96	30	UGL
ABB-ES	ORGANICS/WATER/GCMS		PCB254	WDOM	04-OCT-96	08-OCT-96	36	UGL
ABB-ES	ORGANICS/WATER/GCMS		PCB254	WDOM	15-OCT-96	16-OCT-96	36	UGL
ABB-ES	ORGANICS/WATER/GCMS		PCB260	WDOM	04-OCT-96	08-OCT-96	36	UGL
ABB-ES	ORGANICS/WATER/GCMS		PCB260	WDOM	15-OCT-96	16-OCT-96	36	UGL
ABB-ES	ORGANICS/WATER/GCMS		PCP	WDOM	04-OCT-96	08-OCT-96	18	UGL
ABB-ES	ORGANICS/WATER/GCMS		PCP	WDOM	15-OCT-96	16-OCT-96	18	UGL
ABB-ES	ORGANICS/WATER/GCMS		PHANTR	WDOM	04-OCT-96	08-OCT-96	.5	UGL

Appendix D-3
Table: D-2
METHOD BLANKS (WATER)
FT. DEVENS DV4 1996

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value Unit
ABB-ES	VOLATILES/WATER/GCMS	UM20	2CLEVE	XDLS	09-OCT-96	09-OCT-96	<
ABB-ES	VOLATILES/WATER/GCMS		2CLEVE	XDMS	10-OCT-96	10-OCT-96	<
ABB-ES	VOLATILES/WATER/GCMS		2PROL	XDLS	09-OCT-96	09-OCT-96	<
ABB-ES	VOLATILES/WATER/GCMS		2PROL	XDMS	10-OCT-96	10-OCT-96	<
ABB-ES	VOLATILES/WATER/GCMS		ACET	XDKS	09-OCT-96	09-OCT-96	<
ABB-ES	VOLATILES/WATER/GCMS		ACET	XDLS	09-OCT-96	09-OCT-96	<
ABB-ES	VOLATILES/WATER/GCMS		ACET	XDMS	10-OCT-96	10-OCT-96	<
ABB-ES	VOLATILES/WATER/GCMS		ACROLN	XDKS	09-OCT-96	09-OCT-96	<
ABB-ES	VOLATILES/WATER/GCMS		ACROLN	XDLS	09-OCT-96	09-OCT-96	<
ABB-ES	VOLATILES/WATER/GCMS		ACROLN	XDMS	10-OCT-96	10-OCT-96	<
ABB-ES	VOLATILES/WATER/GCMS		ACRYLO	XDKS	09-OCT-96	09-OCT-96	<
ABB-ES	VOLATILES/WATER/GCMS		ACRYLO	XDLS	09-OCT-96	09-OCT-96	<
ABB-ES	VOLATILES/WATER/GCMS		ACRYLO	XDMS	10-OCT-96	10-OCT-96	<
ABB-ES	VOLATILES/WATER/GCMS		BRDCLM	XDKS	09-OCT-96	09-OCT-96	<
ABB-ES	VOLATILES/WATER/GCMS		BRDCLM	XDLS	09-OCT-96	09-OCT-96	<
ABB-ES	VOLATILES/WATER/GCMS		BRDCLM	XDMS	10-OCT-96	10-OCT-96	<
ABB-ES	VOLATILES/WATER/GCMS		C130CP	XDLS	09-OCT-96	09-OCT-96	<
ABB-ES	VOLATILES/WATER/GCMS		C130CP	XDMS	10-OCT-96	10-OCT-96	<
ABB-ES	VOLATILES/WATER/GCMS		C2AVE	XDKS	09-OCT-96	09-OCT-96	<
ABB-ES	VOLATILES/WATER/GCMS		C2AVE	XDLS	09-OCT-96	09-OCT-96	<
ABB-ES	VOLATILES/WATER/GCMS		C2AVE	XDMS	10-OCT-96	10-OCT-96	<
ABB-ES	VOLATILES/WATER/GCMS		C2H3CL	XDKS	09-OCT-96	09-OCT-96	<
ABB-ES	VOLATILES/WATER/GCMS		C2H3CL	XDLS	09-OCT-96	09-OCT-96	<
ABB-ES	VOLATILES/WATER/GCMS		C2H3CL	XDMS	10-OCT-96	10-OCT-96	<
ABB-ES	VOLATILES/WATER/GCMS		C2H5CL	XDKS	09-OCT-96	09-OCT-96	<
ABB-ES	VOLATILES/WATER/GCMS		C2H5CL	XDLS	09-OCT-96	09-OCT-96	<
ABB-ES	VOLATILES/WATER/GCMS		C2H5CL	XDMS	10-OCT-96	10-OCT-96	<
ABB-ES	VOLATILES/WATER/GCMS		C6H6	XDKS	09-OCT-96	09-OCT-96	<
ABB-ES	VOLATILES/WATER/GCMS		C6H6	XDLS	09-OCT-96	09-OCT-96	<
ABB-ES	VOLATILES/WATER/GCMS		C6H6	XDMS	10-OCT-96	10-OCT-96	<
ABB-ES	VOLATILES/WATER/GCMS		CCL2F2	XDLS	09-OCT-96	09-OCT-96	<
ABB-ES	VOLATILES/WATER/GCMS		CCL2F2	XDMS	10-OCT-96	10-OCT-96	<
ABB-ES	VOLATILES/WATER/GCMS		CCL3F	XDKS	09-OCT-96	09-OCT-96	<
ABB-ES	VOLATILES/WATER/GCMS		CCL3F	XDLS	09-OCT-96	09-OCT-96	<
ABB-ES	VOLATILES/WATER/GCMS		CCL3F	XDMS	10-OCT-96	10-OCT-96	<

Appendix D-3
Table: D-2
METHOD BLANKS (WATER)
FT. DEVENS DV4 1996

Contractor		Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Unit
ABB-ES		VOLATILES/WATER/GCMS	UM20	CCL4	XDKS	09-OCT-96	09-OCT-96	.58	UGL
ABB-ES		VOLATILES/WATER/GCMS		CCL4	XDKS	09-OCT-96	09-OCT-96	.58	UGL
ABB-ES		VOLATILES/WATER/GCMS		CCL4	XDKS	10-OCT-96	10-OCT-96	.58	UGL
ABB-ES		VOLATILES/WATER/GCMS		CH2CL2	XDKS	09-OCT-96	09-OCT-96	2.3	UGL
ABB-ES		VOLATILES/WATER/GCMS		CH2CL2	XDKS	09-OCT-96	09-OCT-96	2.3	UGL
ABB-ES		VOLATILES/WATER/GCMS		CH2CL2	XDKS	10-OCT-96	10-OCT-96	2.3	UGL
ABB-ES		VOLATILES/WATER/GCMS		CH3BR	XDKS	09-OCT-96	09-OCT-96	5.8	UGL
ABB-ES		VOLATILES/WATER/GCMS		CH3BR	XDKS	09-OCT-96	09-OCT-96	5.8	UGL
ABB-ES		VOLATILES/WATER/GCMS		CH3BR	XDKS	10-OCT-96	10-OCT-96	5.8	UGL
ABB-ES		VOLATILES/WATER/GCMS		CH3CL	XDKS	09-OCT-96	09-OCT-96	3.2	UGL
ABB-ES		VOLATILES/WATER/GCMS		CH3CL	XDKS	09-OCT-96	09-OCT-96	3.2	UGL
ABB-ES		VOLATILES/WATER/GCMS		CH3CL	XDKS	10-OCT-96	10-OCT-96	3.2	UGL
ABB-ES		VOLATILES/WATER/GCMS		CH3CN	XDKS	09-OCT-96	09-OCT-96	200	UGL
ABB-ES		VOLATILES/WATER/GCMS		CH3CN	XDKS	10-OCT-96	10-OCT-96	200	UGL
ABB-ES		VOLATILES/WATER/GCMS		CHBR3	XDKS	09-OCT-96	09-OCT-96	2.6	UGL
ABB-ES		VOLATILES/WATER/GCMS		CHBR3	XDKS	09-OCT-96	09-OCT-96	2.6	UGL
ABB-ES		VOLATILES/WATER/GCMS		CHCL3	XDKS	10-OCT-96	10-OCT-96	.5	UGL
ABB-ES		VOLATILES/WATER/GCMS		CHCL3	XDKS	09-OCT-96	09-OCT-96	.5	UGL
ABB-ES		VOLATILES/WATER/GCMS		CHCL3	XDKS	10-OCT-96	10-OCT-96	.5	UGL
ABB-ES		VOLATILES/WATER/GCMS		CL2BZ	XDKS	09-OCT-96	09-OCT-96	10	UGL
ABB-ES		VOLATILES/WATER/GCMS		CL2BZ	XDKS	09-OCT-96	09-OCT-96	10	UGL
ABB-ES		VOLATILES/WATER/GCMS		CL2BZ	XDKS	10-OCT-96	10-OCT-96	10	UGL
ABB-ES		VOLATILES/WATER/GCMS		CLC6H5	XDKS	09-OCT-96	09-OCT-96	.5	UGL
ABB-ES		VOLATILES/WATER/GCMS		CLC6H5	XDKS	09-OCT-96	09-OCT-96	.5	UGL
ABB-ES		VOLATILES/WATER/GCMS		CS2	XDKS	09-OCT-96	09-OCT-96	.5	UGL
ABB-ES		VOLATILES/WATER/GCMS		CS2	XDKS	09-OCT-96	09-OCT-96	.5	UGL
ABB-ES		VOLATILES/WATER/GCMS		CS2	XDKS	10-OCT-96	10-OCT-96	.5	UGL
ABB-ES		VOLATILES/WATER/GCMS		DBRCLM	XDKS	09-OCT-96	09-OCT-96	.67	UGL
ABB-ES		VOLATILES/WATER/GCMS		DBRCLM	XDKS	09-OCT-96	09-OCT-96	.67	UGL
ABB-ES		VOLATILES/WATER/GCMS		DBRCLM	XDKS	10-OCT-96	10-OCT-96	.67	UGL
ABB-ES		VOLATILES/WATER/GCMS		ETC6H5	XDKS	09-OCT-96	09-OCT-96	.5	UGL
ABB-ES		VOLATILES/WATER/GCMS		ETC6H5	XDKS	09-OCT-96	09-OCT-96	.5	UGL
ABB-ES		VOLATILES/WATER/GCMS		ETC6H5	XDKS	10-OCT-96	10-OCT-96	.5	UGL
ABB-ES		VOLATILES/WATER/GCMS		ETOH	XDKS	09-OCT-96	09-OCT-96	2000	UGL

Appendix D-3
Table: D-2
METHOD BLANKS (WATER)
FT. DEVENS DV4 1996

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Unit
ABB-ES	VOLATILES/WATER/GCMS	UM20	ETOH	XOMS	10-OCT-96	10-OCT-96	2000	UGL
ABB-ES	VOLATILES/WATER/GCMS		MEC6H5	XOKS	09-OCT-96	09-OCT-96	.5	UGL
ABB-ES	VOLATILES/WATER/GCMS		MEC6H5	XOLS	09-OCT-96	09-OCT-96	.5	UGL
ABB-ES	VOLATILES/WATER/GCMS		MEC6H5	XOMS	10-OCT-96	10-OCT-96	.5	UGL
ABB-ES	VOLATILES/WATER/GCMS		MEK	XOKS	09-OCT-96	09-OCT-96	6.4	UGL
ABB-ES	VOLATILES/WATER/GCMS		MEK	XOLS	09-OCT-96	09-OCT-96	6.4	UGL
ABB-ES	VOLATILES/WATER/GCMS		MEK	XOMS	10-OCT-96	10-OCT-96	6.4	UGL
ABB-ES	VOLATILES/WATER/GCMS		MIBK	XOKS	09-OCT-96	09-OCT-96	3	UGL
ABB-ES	VOLATILES/WATER/GCMS		MIBK	XOLS	09-OCT-96	09-OCT-96	3	UGL
ABB-ES	VOLATILES/WATER/GCMS		MIBK	XOMS	10-OCT-96	10-OCT-96	3.6	UGL
ABB-ES	VOLATILES/WATER/GCMS		MIBK	XOKS	09-OCT-96	09-OCT-96	3.6	UGL
ABB-ES	VOLATILES/WATER/GCMS		MIBK	XOLS	09-OCT-96	09-OCT-96	3.6	UGL
ABB-ES	VOLATILES/WATER/GCMS		STYR	XOKS	09-OCT-96	09-OCT-96	.5	UGL
ABB-ES	VOLATILES/WATER/GCMS		STYR	XOLS	09-OCT-96	09-OCT-96	.5	UGL
ABB-ES	VOLATILES/WATER/GCMS		STYR	XOMS	10-OCT-96	10-OCT-96	.5	UGL
ABB-ES	VOLATILES/WATER/GCMS		T130CP	XOKS	09-OCT-96	09-OCT-96	.7	UGL
ABB-ES	VOLATILES/WATER/GCMS		T130CP	XOLS	09-OCT-96	09-OCT-96	.7	UGL
ABB-ES	VOLATILES/WATER/GCMS		T130CP	XOMS	10-OCT-96	10-OCT-96	.51	UGL
ABB-ES	VOLATILES/WATER/GCMS		TCLEA	XOKS	09-OCT-96	09-OCT-96	.51	UGL
ABB-ES	VOLATILES/WATER/GCMS		TCLEA	XOLS	09-OCT-96	09-OCT-96	1.6	UGL
ABB-ES	VOLATILES/WATER/GCMS		TCLEA	XOMS	10-OCT-96	10-OCT-96	1.6	UGL
ABB-ES	VOLATILES/WATER/GCMS		TCLEE	XOKS	09-OCT-96	09-OCT-96	5	UGL
ABB-ES	VOLATILES/WATER/GCMS		TCLEE	XOLS	10-OCT-96	10-OCT-96	5	UGL
ABB-ES	VOLATILES/WATER/GCMS		TCLEE	XOMS	09-OCT-96	09-OCT-96	.5	UGL
ABB-ES	VOLATILES/WATER/GCMS		TRCLE	XOKS	09-OCT-96	09-OCT-96	.5	UGL
ABB-ES	VOLATILES/WATER/GCMS		TRCLE	XOLS	10-OCT-96	10-OCT-96	.84	UGL
ABB-ES	VOLATILES/WATER/GCMS		XYLEN	XOKS	09-OCT-96	09-OCT-96	.84	UGL
ABB-ES	VOLATILES/WATER/GCMS		XYLEN	XOLS	09-OCT-96	09-OCT-96	.84	UGL
ABB-ES	VOLATILES/WATER/GCMS		XYLEN	XOMS	10-OCT-96	10-OCT-96	.84	UGL

**APPENDIX D-3
TABLE D-3
ELEMENTS DETECTED IN SOIL METHOD BLANKS**

**1995 AOC 57 AND 69W REMEDIAL INVESTIGATION
FORT DEVENS, MASSACHUSETTS**

ELEMENT	FREQUENCY OF DETECTION	CONCENTRATION RANGE ($\mu\text{g/g}$)	CRL ($\mu\text{g/g}$)
Aluminum	1/1	636	14.1
Barium	1/1	13.4	29.6
Calcium	1/1	421	3.05
Lead	1/1	.649	1.26
Copper	1/1	1.01	58.6
Iron	1/1	1160	42.7
Potassium	1/1	215	37.5
Magnesium	1/1	202	50.0
Manganese	1/1	27.3	0.275

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APPENDIX D-3
TABLE D-4
VOCs DETECTED IN METHOD BLANKS FOR SOIL
1995 AOC 57 AND 69W REMEDIAL INVESTIGATION
FORT DEVENS, MASSACHUSETTS

COMPOUND	FREQUENCY OF DETECTION	CONCENTRATION RANGE ($\mu\text{g/g}$)	CRL ($\mu\text{g/g}$)
Target VOCs			
Acetone	1/3	0.017	0.017
Methylene Chloride	3/3	0.0015 - 0.0039	0.012
VOC TICs			
Trichlorofluoromethane	1/3	0.011	NA

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APPENDIX D-3
TABLE D-5
SVOCs DETECTED IN SOIL BLANKS

1995 AOC 57 AND 69W REMEDIAL INVESTIGATION
FORT DEVENS, MASSACHUSETTS

COMPOUND	FREQUENCY OF DETECTION	CONCENTRATION RANGE ($\mu\text{g/g}$)	CRL ($\mu\text{g/g}$)
SVOC TICs			
Diethyl adipate	1/3	3	Not determined
heptacosane	2/3	0.3	Not determined

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APPENDIX D-3
TABLE D-6
PESTICIDES DETECTED IN METHOD BLANKS FOR WATER

1995 AOC 57 AND 69W REMEDIAL INVESTIGATION
FORT DEVENS, MASSACHUSETTS

COMPOUND	FREQUENCY OF DETECTION	CONCENTRATION RANGE ($\mu\text{g/L}$)	CRL ($\mu\text{g/L}$)
Malathion	2/2	0.188	Not Available

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APPENDIX D-3
TABLE D-7
PESTICIDES DETECTED IN METHOD BLANKS FOR SOIL

1995 AOC 57 AND 69W REMEDIAL INVESTIGATION
FORT DEVENS, MASSACHUSETTS

COMPOUND	FREQUENCY OF DETECTION	CONCENTRATION RANGE ($\mu\text{g/L}$)	CRL ($\mu\text{g/L}$)
alpha-Chlordane	1/2	0.00596	0.005
gamma-Chlordane	2/2	0.00655 - 0.0108	0.005

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Appendix D-3
Table: D-8
RINSE BLANKS
FT. DEVENS DV4 1996

Contractor	Method Description	IRDMIS		IRDMIS Field Sample Number	Lab Number	Test Name	Lot	Sample Date	Analysis Date	Value	Unit
		Code	Site ID								
ABB-ES		4151	SBK-96-540	SBK96540	DV4M*540	TOC	ZKZK	03-SEP-96	20-SEP-96	<	1000 UGL
ABB-ES		4181	SBK-96-540	SBK96540	DV4M*540	TPHC	ZKVK	03-SEP-96	18-SEP-96	<	181 UGL
ABB-ES		8015	SBK-96-540	SBK96540	DV4M*540	TPHDSL	PEAX	03-SEP-96	11-SEP-96	<	340 UGL
ABB-ES			SBK-96-540	SBK96540	DV4M*540	TPHGAS	PEAX	03-SEP-96	11-SEP-96	<	340 UGL
ABB-ES	METALS/WATER/CVAA	SB01	SBK-96-540	SBK96540	DV4M*540	HG	QJJF	03-SEP-96	10-SEP-96	<	.236 UGL
ABB-ES	METALS/WATER/GFAA	SD09	SBK-96-540	SBK96540	DV4M*540	TL	UCBG	03-SEP-96	12-SEP-96	<	7.72 UGL
ABB-ES	METALS/WATER/GFAA	SD20	SBK-96-540	SBK96540	DV4M*540	PB	WCOH	03-SEP-96	12-SEP-96	<	1.37 UGL
ABB-ES	METALS/WATER/GFAA	SD21	SBK-96-540	SBK96540	DV4M*540	SE	XCGH	03-SEP-96	12-SEP-96	<	3.22 UGL
ABB-ES	METALS/WATER/GFAA	SD22	SBK-96-540	SBK96540	DV4M*540	AS	YCLH	03-SEP-96	12-SEP-96	<	2.71 UGL
ABB-ES	METALS/WATER/GFAA	SD28	SBK-96-540	SBK96540	DV4M*540	SB	NFIF	03-SEP-96	12-SEP-96	<	2.71 UGL
ABB-ES	PESTICIDES/WATER/GCEC	UH02	SBK-96-540	SBK96540	DV4M*540	PCB016	SDOF	03-SEP-96	26-SEP-96	<	.194 UGL
ABB-ES	PESTICIDES/WATER/GCEC		SBK-96-540	SBK96540	DV4M*540	PCB221	SDOF	03-SEP-96	26-SEP-96	<	.16 UGL
ABB-ES	PESTICIDES/WATER/GCEC		SBK-96-540	SBK96540	DV4M*540	PCB232	SDOF	03-SEP-96	26-SEP-96	<	.16 UGL
ABB-ES	PESTICIDES/WATER/GCEC		SBK-96-540	SBK96540	DV4M*540	PCB242	SDOF	03-SEP-96	26-SEP-96	<	.19 UGL
ABB-ES	PESTICIDES/WATER/GCEC		SBK-96-540	SBK96540	DV4M*540	PCB248	SDOF	03-SEP-96	26-SEP-96	<	.19 UGL
ABB-ES	PESTICIDES/WATER/GCEC		SBK-96-540	SBK96540	DV4M*540	PCB254	SDOF	03-SEP-96	26-SEP-96	<	.19 UGL
ABB-ES	PESTICIDES/WATER/GCEC		SBK-96-540	SBK96540	DV4M*540	PCB260	SDOF	03-SEP-96	26-SEP-96	<	.208 UGL
ABB-ES	ORGANICS/WATER/GCMS	UM18	SBK-96-540	SBK96540	DV4M*540	124TCB	WDDM	03-SEP-96	13-SEP-96	<	2.2 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4M*540	12DCLB	WDDM	03-SEP-96	13-SEP-96	<	2 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4M*540	12DPH	WDDM	03-SEP-96	13-SEP-96	<	2 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4M*540	13DCLB	WDDM	03-SEP-96	13-SEP-96	<	2.2 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4M*540	14DCLB	WDDM	03-SEP-96	13-SEP-96	<	2.2 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4M*540	245TCP	WDDM	03-SEP-96	13-SEP-96	<	4.9 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4M*540	246TCP	WDDM	03-SEP-96	13-SEP-96	<	4.1 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4M*540	24DCLP	WDDM	03-SEP-96	13-SEP-96	<	3.1 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4M*540	24DMPN	WDDM	03-SEP-96	13-SEP-96	<	6.2 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4M*540	24DNP	WDDM	03-SEP-96	13-SEP-96	<	15 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4M*540	24DNT	WDDM	03-SEP-96	13-SEP-96	<	4.7 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4M*540	26DNT	WDDM	03-SEP-96	13-SEP-96	<	.72 UGL

Appendix D-3
Table: D-8
RINSE BLANKS
FT. DEVENS DV4 1996

Contractor	IRDMIS Method Code	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Test Name	Lot	Sample Date	Analysis Date	Value	Unit
ABB-ES	UM18	SBK-96-540	SBK96540	DV4W*540	2CLP	WDDM	03-SEP-96	13-SEP-96	<	1 UGL
ABB-ES		SBK-96-540	SBK96540	DV4W*540	2CNAP	WDDM	03-SEP-96	13-SEP-96	<	.57 UGL
ABB-ES		SBK-96-540	SBK96540	DV4W*540	2MNP	WDDM	03-SEP-96	13-SEP-96	<	1.8 UGL
ABB-ES		SBK-96-540	SBK96540	DV4W*540	2NANIL	WDDM	03-SEP-96	13-SEP-96	<	4 UGL
ABB-ES		SBK-96-540	SBK96540	DV4W*540	2NP	WDDM	03-SEP-96	13-SEP-96	<	4.5 UGL
ABB-ES		SBK-96-540	SBK96540	DV4W*540	3DCBD	WDDM	03-SEP-96	13-SEP-96	<	3.8 UGL
ABB-ES		SBK-96-540	SBK96540	DV4W*540	3NANIL	WDDM	03-SEP-96	13-SEP-96	<	7.8 UGL
ABB-ES		SBK-96-540	SBK96540	DV4W*540	46DN2C	WDDM	03-SEP-96	13-SEP-96	<	5.1 UGL
ABB-ES		SBK-96-540	SBK96540	DV4W*540	4BRPPE	WDDM	03-SEP-96	13-SEP-96	<	14 UGL
ABB-ES		SBK-96-540	SBK96540	DV4W*540	4CANIL	WDDM	03-SEP-96	13-SEP-96	<	4.7 UGL
ABB-ES		SBK-96-540	SBK96540	DV4W*540	4CL3C	WDDM	03-SEP-96	13-SEP-96	<	8.4 UGL
ABB-ES		SBK-96-540	SBK96540	DV4W*540	4CLPPE	WDDM	03-SEP-96	13-SEP-96	<	4 UGL
ABB-ES		SBK-96-540	SBK96540	DV4W*540	4MP	WDDM	03-SEP-96	13-SEP-96	<	6 UGL
ABB-ES		SBK-96-540	SBK96540	DV4W*540	4NANIL	WDDM	03-SEP-96	13-SEP-96	<	.61 UGL
ABB-ES		SBK-96-540	SBK96540	DV4W*540	4NP	WDDM	03-SEP-96	13-SEP-96	<	5.1 UGL
ABB-ES		SBK-96-540	SBK96540	DV4W*540	4BHC	WDDM	03-SEP-96	13-SEP-96	<	18 UGL
ABB-ES		SBK-96-540	SBK96540	DV4W*540	4CLDAN	WDDM	03-SEP-96	13-SEP-96	<	4 UGL
ABB-ES		SBK-96-540	SBK96540	DV4W*540	4ENSLF	WDDM	03-SEP-96	13-SEP-96	<	5.1 UGL
ABB-ES		SBK-96-540	SBK96540	DV4W*540	4ALDRN	WDDM	03-SEP-96	13-SEP-96	<	9.2 UGL
ABB-ES		SBK-96-540	SBK96540	DV4W*540	4ANAPNE	WDDM	03-SEP-96	13-SEP-96	<	4.7 UGL
ABB-ES		SBK-96-540	SBK96540	DV4W*540	4ANAPYL	WDDM	03-SEP-96	13-SEP-96	<	1.8 UGL
ABB-ES		SBK-96-540	SBK96540	DV4W*540	4ANTRC	WDDM	03-SEP-96	13-SEP-96	<	.52 UGL
ABB-ES		SBK-96-540	SBK96540	DV4W*540	4B2CEXM	WDDM	03-SEP-96	13-SEP-96	<	.51 UGL
ABB-ES		SBK-96-540	SBK96540	DV4W*540	4B2CLPE	WDDM	03-SEP-96	13-SEP-96	<	1.6 UGL
ABB-ES		SBK-96-540	SBK96540	DV4W*540	4B2CLPE	WDDM	03-SEP-96	13-SEP-96	<	6.4 UGL
ABB-ES		SBK-96-540	SBK96540	DV4W*540	4B2EHP	WDDM	03-SEP-96	13-SEP-96	<	2 UGL
ABB-ES		SBK-96-540	SBK96540	DV4W*540	4BAANTR	WDDM	03-SEP-96	13-SEP-96	<	12 UGL
ABB-ES		SBK-96-540	SBK96540	DV4W*540	4BAPYR	WDDM	03-SEP-96	13-SEP-96	<	1.6 UGL
ABB-ES		SBK-96-540	SBK96540	DV4W*540	4BBHC	WDDM	03-SEP-96	13-SEP-96	<	4.2 UGL
ABB-ES		SBK-96-540	SBK96540	DV4W*540	4BBTANT	WDDM	03-SEP-96	13-SEP-96	<	5.1 UGL
ABB-ES		SBK-96-540	SBK96540	DV4W*540	4BBZP	WDDM	03-SEP-96	13-SEP-96	<	4 UGL
ABB-ES		SBK-96-540	SBK96540	DV4W*540	4BENSLF	WDDM	03-SEP-96	13-SEP-96	<	3.2 UGL
ABB-ES		SBK-96-540	SBK96540	DV4W*540	4BENZID	WDDM	03-SEP-96	13-SEP-96	<	9.2 UGL
ABB-ES		SBK-96-540	SBK96540	DV4W*540	4BENZOA	WDDM	03-SEP-96	13-SEP-96	<	10 UGL
ABB-ES		SBK-96-540	SBK96540	DV4W*540	4BGHIPPY	WDDM	03-SEP-96	13-SEP-96	<	20 UGL
ABB-ES		SBK-96-540	SBK96540	DV4W*540	4BKANT	WDDM	03-SEP-96	13-SEP-96	<	4.7 UGL
ABB-ES		SBK-96-540	SBK96540	DV4W*540	4BZALC	WDDM	03-SEP-96	13-SEP-96	<	.85 UGL
ABB-ES		SBK-96-540	SBK96540	DV4W*540	4CARBAZ	WDDM	03-SEP-96	13-SEP-96	<	.84 UGL
ABB-ES		SBK-96-540	SBK96540	DV4W*540	4CARBAZ	WDDM	03-SEP-96	13-SEP-96	<	2.2 UGL

Appendix D-3
Table: D-8
RINSE BLANKS
FT. DEVENS DV4 1996

Contractor	Method Description	IRDMIS Method Code	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Test Name	Lot	Sample Date	Analysis Date	Value Unit
ABB-ES	ORGANICS/WATER/GCMS	UM18	SBK-96-540	SBK96540	DV4W*540	CHRY	WDDM	03-SEP-96	13-SEP-96	2.5 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4W*540	CL6BZ	WDDM	03-SEP-96	13-SEP-96	1.7 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4W*540	CL6CP	WDDM	03-SEP-96	13-SEP-96	12 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4W*540	CL6ET	WDDM	03-SEP-96	13-SEP-96	1.8 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4W*540	DBAHA	WDDM	03-SEP-96	13-SEP-96	5.6 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4W*540	DBHC	WDDM	03-SEP-96	13-SEP-96	4 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4W*540	DBZFLUR	WDDM	03-SEP-96	13-SEP-96	1.8 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4W*540	DEP	WDDM	03-SEP-96	13-SEP-96	2.3 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4W*540	DLDRN	WDDM	03-SEP-96	13-SEP-96	4.7 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4W*540	DNP	WDDM	03-SEP-96	13-SEP-96	1.9 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4W*540	DNBOP	WDDM	03-SEP-96	13-SEP-96	3.4 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4W*540	ENDRN	WDDM	03-SEP-96	13-SEP-96	12 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4W*540	ENDRNA	WDDM	03-SEP-96	13-SEP-96	7.6 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4W*540	ENDRNK	WDDM	03-SEP-96	13-SEP-96	8 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4W*540	ESFSO4	WDDM	03-SEP-96	13-SEP-96	9.2 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4W*540	FANT	WDDM	03-SEP-96	13-SEP-96	3.3 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4W*540	FLRENE	WDDM	03-SEP-96	13-SEP-96	3.9 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4W*540	GLCLAN	WDDM	03-SEP-96	13-SEP-96	5.1 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4W*540	HCBID	WDDM	03-SEP-96	13-SEP-96	4.7 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4W*540	HCCL	WDDM	03-SEP-96	13-SEP-96	2 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4W*540	HPCLE	WDDM	03-SEP-96	13-SEP-96	5 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4W*540	ICOPYR	WDDM	03-SEP-96	13-SEP-96	7.4 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4W*540	ISOPHR	WDDM	03-SEP-96	13-SEP-96	4.9 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4W*540	LIN	WDDM	03-SEP-96	13-SEP-96	4 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4W*540	MEXCLR	WDDM	03-SEP-96	13-SEP-96	5.1 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4W*540	NAP	WDDM	03-SEP-96	13-SEP-96	.43 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4W*540	NB	WDDM	03-SEP-96	13-SEP-96	.56 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4W*540	NNDMEA	WDDM	03-SEP-96	13-SEP-96	2 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4W*540	NNDNPA	WDDM	03-SEP-96	13-SEP-96	4.5 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4W*540	NNDPA	WDDM	03-SEP-96	13-SEP-96	3.1 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4W*540	PCB016	WDDM	03-SEP-96	13-SEP-96	21 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4W*540	PCB221	WDDM	03-SEP-96	13-SEP-96	21 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4W*540	PCB232	WDDM	03-SEP-96	13-SEP-96	30 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4W*540	PCB242	WDDM	03-SEP-96	13-SEP-96	30 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4W*540	PCB248	WDDM	03-SEP-96	13-SEP-96	36 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4W*540	PCB254	WDDM	03-SEP-96	13-SEP-96	36 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4W*540	PCB260	WDDM	03-SEP-96	13-SEP-96	14 UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4W*540	PCP	WDDM	03-SEP-96	13-SEP-96	

Appendix D-3
Table: D-8
RINSE BLANKS
FT. DEVENS DV4 1996

Contractor	Method Description	IRDMIS		IRDMIS		IRDMIS		Test Name	Lot	Sample Date	Analysis Date	Value	Unit
		Code	Site ID	Field Sample Number	Lab Number	Sample Number	Field Sample Number						
ABB-ES	ORGANICS/WATER/GCMS	UM18	SBK-96-540	SBK96540	DV4M*540	PHANTR	WDDM 03-SEP-96	13-SEP-96	<			.5	UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4M*540	PHENOL	WDDM 03-SEP-96	13-SEP-96	<			17	UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4M*540	PPDDO	WDDM 03-SEP-96	13-SEP-96	<			4	UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4M*540	PPDDE	WDDM 03-SEP-96	13-SEP-96	<			4.7	UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4M*540	PPDDT	WDDM 03-SEP-96	13-SEP-96	<			9.2	UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4M*540	PYR	WDDM 03-SEP-96	13-SEP-96	<			2.8	UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-96-540	SBK96540	DV4M*540	TXPHEN	WDDM 03-SEP-96	13-SEP-96	<			36	UGL

Appendix D-3
Table: D-9
TRIP BLANKS
FT. DEVENS DV4 1996

Contractor	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Sample Date	Prep Date	Analysis Date	Value	Unit	IRDMIS Site ID
ABB-ES	UM20	XDKS 111TCE	TBK96197	DV5M*197	03-OCT-96	09-OCT-96	09-OCT-96	.5	UGL	TBK-96-197
ABB-ES		XDKS 111TCE	TBK96565	DV4M*565	02-OCT-96	09-OCT-96	09-OCT-96	.5	UGL	TBK-95-565
ABB-ES		XDKS 111TCE	TBK96561	DV4M*561	22-AUG-96	30-AUG-96	30-AUG-96	.5	UGL	TBK-96-561
ABB-ES		XDKS 112TCE	TBK96197	DV5M*197	03-OCT-96	09-OCT-96	09-OCT-96	1.3	UGL	TBK-96-197
ABB-ES		XDKS 112TCE	TBK96565	DV4M*565	02-OCT-96	09-OCT-96	09-OCT-96	1.3	UGL	TBK-95-565
ABB-ES		XDKS 112TCE	TBK96561	DV4M*561	22-AUG-96	30-AUG-96	30-AUG-96	1.3	UGL	TBK-96-561
ABB-ES		XDKS 11DCE	TBK96197	DV5M*197	03-OCT-96	09-OCT-96	09-OCT-96	.47	UGL	TBK-96-197
ABB-ES		XDKS 11DCE	TBK96565	DV4M*565	02-OCT-96	09-OCT-96	09-OCT-96	.47	UGL	TBK-95-565
ABB-ES		XDKS 11DCE	TBK96561	DV4M*561	22-AUG-96	30-AUG-96	30-AUG-96	.47	UGL	TBK-96-561
ABB-ES		XDKS 11DCE	TBK96197	DV5M*197	03-OCT-96	09-OCT-96	09-OCT-96	.69	UGL	TBK-96-197
ABB-ES		XDKS 11DCE	TBK96565	DV4M*565	02-OCT-96	09-OCT-96	09-OCT-96	.69	UGL	TBK-95-565
ABB-ES		XDKS 11DCE	TBK96561	DV4M*561	22-AUG-96	30-AUG-96	30-AUG-96	.69	UGL	TBK-96-561
ABB-ES		XDKS 12DCE	TBK96197	DV5M*197	03-OCT-96	09-OCT-96	09-OCT-96	.49	UGL	TBK-96-197
ABB-ES		XDKS 12DCE	TBK96565	DV4M*565	02-OCT-96	09-OCT-96	09-OCT-96	.49	UGL	TBK-95-565
ABB-ES		XDKS 12DCE	TBK96561	DV4M*561	22-AUG-96	30-AUG-96	30-AUG-96	.49	UGL	TBK-96-561
ABB-ES		XDKS 12DCE	TBK96197	DV5M*197	03-OCT-96	09-OCT-96	09-OCT-96	.5	UGL	TBK-96-197
ABB-ES		XDKS 12DCE	TBK96565	DV4M*565	02-OCT-96	09-OCT-96	09-OCT-96	.5	UGL	TBK-95-565
ABB-ES		XDKS 12DCE	TBK96561	DV4M*561	22-AUG-96	30-AUG-96	30-AUG-96	.5	UGL	TBK-96-561
ABB-ES		XDKS 12DCLP	TBK96197	DV5M*197	03-OCT-96	09-OCT-96	09-OCT-96	.49	UGL	TBK-96-197
ABB-ES		XDKS 12DCLP	TBK96565	DV4M*565	02-OCT-96	09-OCT-96	09-OCT-96	.49	UGL	TBK-95-565
ABB-ES		XDKS 12DCLP	TBK96561	DV4M*561	22-AUG-96	30-AUG-96	30-AUG-96	.49	UGL	TBK-96-561
ABB-ES		XDKS 2CLEVE	TBK96197	DV5M*197	03-OCT-96	09-OCT-96	09-OCT-96	.7	UGL	TBK-96-197
ABB-ES		XDKS 2CLEVE	TBK96565	DV4M*565	02-OCT-96	09-OCT-96	09-OCT-96	.7	UGL	TBK-95-565
ABB-ES		XDKS 2CLEVE	TBK96561	DV4M*561	22-AUG-96	30-AUG-96	30-AUG-96	.7	UGL	TBK-96-561
ABB-ES		XDKS ACET	TBK96197	DV5M*197	03-OCT-96	09-OCT-96	09-OCT-96	14	UGL	TBK-96-197
ABB-ES		XDKS ACET	TBK96565	DV4M*565	02-OCT-96	09-OCT-96	09-OCT-96	14	UGL	TBK-95-565
ABB-ES		XDKS ACET	TBK96561	DV4M*561	22-AUG-96	30-AUG-96	30-AUG-96	14	UGL	TBK-96-561
ABB-ES		XDKS ACROLN	TBK96197	DV5M*197	03-OCT-96	09-OCT-96	09-OCT-96	100	UGL	TBK-96-197
ABB-ES		XDKS ACROLN	TBK96565	DV4M*565	02-OCT-96	09-OCT-96	09-OCT-96	100	UGL	TBK-95-565
ABB-ES		XDKS ACROLN	TBK96561	DV4M*561	22-AUG-96	30-AUG-96	30-AUG-96	100	UGL	TBK-96-561
ABB-ES		XDKS ACRYLO	TBK96197	DV5M*197	03-OCT-96	09-OCT-96	09-OCT-96	100	UGL	TBK-96-197
ABB-ES		XDKS ACRYLO	TBK96565	DV4M*565	02-OCT-96	09-OCT-96	09-OCT-96	100	UGL	TBK-95-565
ABB-ES		XDKS ACRYLO	TBK96561	DV4M*561	22-AUG-96	30-AUG-96	30-AUG-96	100	UGL	TBK-96-561
ABB-ES		XDKS BRDCLM	TBK96197	DV5M*197	03-OCT-96	09-OCT-96	09-OCT-96	.58	UGL	TBK-96-197
ABB-ES		XDKS BRDCLM	TBK96565	DV4M*565	02-OCT-96	09-OCT-96	09-OCT-96	.58	UGL	TBK-95-565

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Table: D-9
TRIP BLANKS
FT. DEVENS DV4 1996

Contractor	IRDMIS Method Code	IRDMIS Field Sample Number	Test Lot Name	Lab Number	Sample Date	Prep Date	Analysis Date	Value	Unit	IRDMIS Site ID
ABB-ES	UM20	TBK96561	XDVR BRDCLM	DV4M*561	22-AUG-96	30-AUG-96	30-AUG-96	.58	UGL	TBK-96-561
ABB-ES		TBK96197	XDVS C13DCP	DV4M*197	02-OCT-96	09-OCT-96	09-OCT-96	.57	UGL	TBK-96-197
ABB-ES		TBK96565	XDLS C13DCP	DV4M*565	02-OCT-96	09-OCT-96	09-OCT-96	.57	UGL	TBK-95-565
ABB-ES		TBK96561	XDVR C13DCP	DV4M*561	22-AUG-96	30-AUG-96	30-AUG-96	.57	UGL	TBK-96-561
ABB-ES		TBK96197	XDVS C2AVE	DV5M*197	03-OCT-96	09-OCT-96	09-OCT-96	8.4	UGL	TBK-96-197
ABB-ES		TBK96565	XDLS C2AVE	DV4M*565	02-OCT-96	09-OCT-96	09-OCT-96	8.4	UGL	TBK-95-565
ABB-ES		TBK96561	XDVR C2AVE	DV4M*561	22-AUG-96	30-AUG-96	30-AUG-96	8.4	UGL	TBK-96-561
ABB-ES		TBK96197	XDVS C2H3CL	DV5M*197	03-OCT-96	09-OCT-96	09-OCT-96	2.7	UGL	TBK-96-197
ABB-ES		TBK96565	XDLS C2H3CL	DV4M*565	02-OCT-96	09-OCT-96	09-OCT-96	2.7	UGL	TBK-95-565
ABB-ES		TBK96561	XDVR C2H3CL	DV4M*561	22-AUG-96	30-AUG-96	30-AUG-96	2.7	UGL	TBK-96-561
ABB-ES		TBK96197	XDVS C2H5CL	DV5M*197	03-OCT-96	09-OCT-96	09-OCT-96	1.9	UGL	TBK-96-197
ABB-ES		TBK96565	XDLS C2H5CL	DV4M*565	02-OCT-96	09-OCT-96	09-OCT-96	1.9	UGL	TBK-95-565
ABB-ES		TBK96561	XDVR C2H5CL	DV4M*561	22-AUG-96	30-AUG-96	30-AUG-96	1.9	UGL	TBK-96-561
ABB-ES		TBK96197	XDVS C6H6	DV5M*197	03-OCT-96	09-OCT-96	09-OCT-96	.5	UGL	TBK-96-197
ABB-ES		TBK96565	XDLS C6H6	DV4M*565	02-OCT-96	09-OCT-96	09-OCT-96	.5	UGL	TBK-95-565
ABB-ES		TBK96561	XDVR C6H6	DV4M*561	22-AUG-96	30-AUG-96	30-AUG-96	.5	UGL	TBK-96-561
ABB-ES		TBK96197	XDVS CCL3F	DV5M*197	03-OCT-96	09-OCT-96	09-OCT-96	1.4	UGL	TBK-96-197
ABB-ES		TBK96565	XDLS CCL3F	DV4M*565	02-OCT-96	09-OCT-96	09-OCT-96	1.4	UGL	TBK-95-565
ABB-ES		TBK96561	XDVR CCL3F	DV4M*561	22-AUG-96	30-AUG-96	30-AUG-96	1.4	UGL	TBK-96-561
ABB-ES		TBK96197	XDVS CCL4	DV5M*197	03-OCT-96	09-OCT-96	09-OCT-96	.55	UGL	TBK-96-197
ABB-ES		TBK96565	XDLS CCL4	DV4M*565	02-OCT-96	09-OCT-96	09-OCT-96	.55	UGL	TBK-95-565
ABB-ES		TBK96561	XDVR CCL4	DV4M*561	22-AUG-96	30-AUG-96	30-AUG-96	.55	UGL	TBK-96-561
ABB-ES		TBK96197	XDVS CH2CL2	DV5M*197	03-OCT-96	09-OCT-96	09-OCT-96	2.2	UGL	TBK-96-197
ABB-ES		TBK96565	XDLS CH2CL2	DV4M*565	02-OCT-96	09-OCT-96	09-OCT-96	2.2	UGL	TBK-95-565
ABB-ES		TBK96561	XDVR CH2CL2	DV4M*561	22-AUG-96	30-AUG-96	30-AUG-96	2.2	UGL	TBK-96-561
ABB-ES		TBK96197	XDVS CH3BR	DV5M*197	03-OCT-96	09-OCT-96	09-OCT-96	5.7	UGL	TBK-96-197
ABB-ES		TBK96565	XDLS CH3BR	DV4M*565	02-OCT-96	09-OCT-96	09-OCT-96	5.7	UGL	TBK-95-565
ABB-ES		TBK96561	XDVR CH3BR	DV4M*561	22-AUG-96	30-AUG-96	30-AUG-96	5.7	UGL	TBK-96-561
ABB-ES		TBK96197	XDVS CH3CL	DV5M*197	03-OCT-96	09-OCT-96	09-OCT-96	3.4	UGL	TBK-96-197
ABB-ES		TBK96565	XDLS CH3CL	DV4M*565	02-OCT-96	09-OCT-96	09-OCT-96	3.4	UGL	TBK-95-565
ABB-ES		TBK96561	XDVR CH3CL	DV4M*561	22-AUG-96	30-AUG-96	30-AUG-96	3.4	UGL	TBK-96-561
ABB-ES		TBK96197	XDVS CHBR3	DV5M*197	03-OCT-96	09-OCT-96	09-OCT-96	2.5	UGL	TBK-96-197
ABB-ES		TBK96565	XDLS CHBR3	DV4M*565	02-OCT-96	09-OCT-96	09-OCT-96	2.5	UGL	TBK-95-565
ABB-ES		TBK96561	XDVR CHBR3	DV4M*561	22-AUG-96	30-AUG-96	30-AUG-96	2.5	UGL	TBK-96-561
ABB-ES		TBK96197	XDVS CHCL3	DV5M*197	03-OCT-96	09-OCT-96	09-OCT-96	.51	UGL	TBK-96-197

Appendix D-3
Table: D-9
TRIP BLANKS
FT. DEVENS DV4 1996

Contractor	IRDMIS Method Code	Test Lot Name	IRDMIS Field Sample Number	Lab Number	Sample Date	Prep Date	Analysis Date	IRDMIS	
								Value	Unit Site ID
ABB-ES	UM20	XDLS CHCL3	TK96565	DV4M565	02-OCT-96	09-OCT-96	09-OCT-96	.51 UGL	TKB-95-565
ABB-ES		XDVR CHCL3	TK96561	DV4M561	22-AUG-96	30-AUG-96	30-AUG-96	.51 UGL	TKB-96-561
ABB-ES		XDLS CL2BZ	TK96197	DV5M197	03-OCT-96	09-OCT-96	09-OCT-96	10 UGL	TKB-96-197
ABB-ES		XDLS CL2BZ	TK96565	DV4M565	02-OCT-96	09-OCT-96	09-OCT-96	10 UGL	TKB-95-565
ABB-ES		XDVR CL2BZ	TK96561	DV4M561	22-AUG-96	30-AUG-96	30-AUG-96	10 UGL	TKB-96-561
ABB-ES		XDLS CL6H5	TK96197	DV5M197	03-OCT-96	09-OCT-96	09-OCT-96	.48 UGL	TKB-96-197
ABB-ES		XDLS CL6H5	TK96565	DV4M565	02-OCT-96	09-OCT-96	09-OCT-96	.48 UGL	TKB-95-565
ABB-ES		XDVR CL6H5	TK96561	DV4M561	22-AUG-96	30-AUG-96	30-AUG-96	.48 UGL	TKB-96-561
ABB-ES		XDLS CS2	TK96197	DV5M197	03-OCT-96	09-OCT-96	09-OCT-96	.57 UGL	TKB-96-197
ABB-ES		XDLS CS2	TK96565	DV4M565	02-OCT-96	09-OCT-96	09-OCT-96	.57 UGL	TKB-95-565
ABB-ES		XDVR CS2	TK96561	DV4M561	22-AUG-96	30-AUG-96	30-AUG-96	.57 UGL	TKB-96-561
ABB-ES		XDLS DBRCLM	TK96197	DV5M197	03-OCT-96	09-OCT-96	09-OCT-96	.68 UGL	TKB-96-197
ABB-ES		XDLS DBRCLM	TK96565	DV4M565	02-OCT-96	09-OCT-96	09-OCT-96	.68 UGL	TKB-95-565
ABB-ES		XDVR DBRCLM	TK96561	DV4M561	22-AUG-96	30-AUG-96	30-AUG-96	.68 UGL	TKB-96-561
ABB-ES		XDLS ETC6H5	TK96197	DV5M197	03-OCT-96	09-OCT-96	09-OCT-96	.48 UGL	TKB-96-197
ABB-ES		XDLS ETC6H5	TK96565	DV4M565	02-OCT-96	09-OCT-96	09-OCT-96	.48 UGL	TKB-95-565
ABB-ES		XDVR ETC6H5	TK96561	DV4M561	22-AUG-96	30-AUG-96	30-AUG-96	.48 UGL	TKB-96-561
ABB-ES		XDLS MEC6H5	TK96197	DV5M197	03-OCT-96	09-OCT-96	09-OCT-96	.49 UGL	TKB-96-197
ABB-ES		XDLS MEC6H5	TK96565	DV4M565	02-OCT-96	09-OCT-96	09-OCT-96	.49 UGL	TKB-95-565
ABB-ES		XDVR MEC6H5	TK96561	DV4M561	22-AUG-96	30-AUG-96	30-AUG-96	.49 UGL	TKB-96-561
ABB-ES		XDLS MEK	TK96197	DV5M197	03-OCT-96	09-OCT-96	09-OCT-96	6.5 UGL	TKB-96-197
ABB-ES		XDLS MEK	TK96565	DV4M565	02-OCT-96	09-OCT-96	09-OCT-96	6.5 UGL	TKB-95-565
ABB-ES		XDVR MEK	TK96561	DV4M561	22-AUG-96	30-AUG-96	30-AUG-96	6.5 UGL	TKB-96-561
ABB-ES		XDLS MIBK	TK96197	DV5M197	03-OCT-96	09-OCT-96	09-OCT-96	3.3 UGL	TKB-96-197
ABB-ES		XDLS MIBK	TK96565	DV4M565	02-OCT-96	09-OCT-96	09-OCT-96	3.3 UGL	TKB-95-565
ABB-ES		XDVR MIBK	TK96561	DV4M561	22-AUG-96	30-AUG-96	30-AUG-96	3.3 UGL	TKB-96-561
ABB-ES		XDLS MNBK	TK96197	DV5M197	03-OCT-96	09-OCT-96	09-OCT-96	3.9 UGL	TKB-96-197
ABB-ES		XDLS MNBK	TK96565	DV4M565	02-OCT-96	09-OCT-96	09-OCT-96	3.9 UGL	TKB-95-565
ABB-ES		XDVR MNBK	TK96561	DV4M561	22-AUG-96	30-AUG-96	30-AUG-96	3.9 UGL	TKB-96-561
ABB-ES		XDLS STYR	TK96197	DV5M197	03-OCT-96	09-OCT-96	09-OCT-96	.45 UGL	TKB-96-197
ABB-ES		XDLS STYR	TK96565	DV4M565	02-OCT-96	09-OCT-96	09-OCT-96	.45 UGL	TKB-95-565
ABB-ES		XDVR STYR	TK96561	DV4M561	22-AUG-96	30-AUG-96	30-AUG-96	.45 UGL	TKB-96-561
ABB-ES		XDLS T130CP	TK96197	DV5M197	03-OCT-96	09-OCT-96	09-OCT-96	.73 UGL	TKB-96-197
ABB-ES		XDLS T130CP	TK96565	DV4M565	02-OCT-96	09-OCT-96	09-OCT-96	.73 UGL	TKB-95-565
ABB-ES		XDVR T130CP	TK96561	DV4M561	22-AUG-96	30-AUG-96	30-AUG-96	.73 UGL	TKB-96-561

FT. DEVENS DV4 1996

SQL> spool off

Appendix D-3
Table: D-10
FT. DEVENS DV4 1996
MS/MSD RESULTS

Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value <	Original Sample Value	Unit	Percent Recovery	RPD
ABB-ES		1302	HARD	57M-95-03X	WX5703X3	DV4M*537	ZKGN	02-OCT-96	14-OCT-96	200000	196000000	1.660E+09	UGL	98000.0	2.1
		1302	HARD	57M-95-03X	WX5703X3	DV4M*537	ZKGN	02-OCT-96	14-OCT-96	200000	192000000	1.660E+09	UGL	96000.0	2.1

			avg											97000.0	
			minimum											96000.0	
			maximum											98000.0	
ABB-ES		8015	DIESEL	57E-96-31X	EX573106	DV4S*519	QEFU	21-AUG-96	29-AUG-96	466	591 <	7.98	UGG	134.2	63.3
		8015	DIESEL	57E-96-31X	EX573106	DV4S*519	QEFU	21-AUG-96	29-AUG-96	466	307 <	7.98	UGG	69.7	63.3
		8015	DIESEL	57B-96-09X	BX570905	DV4S*525	QEXU	29-AUG-96	08-SEP-96	539	508 <	7.98	UGG	115.4	2.6
		8015	DIESEL	57B-96-09X	BX570905	DV4S*525	QEXU	29-AUG-96	08-SEP-96	539	495 <	7.98	UGG	112.4	2.6

			avg											107.9	
			minimum											69.7	
			maximum											134.2	
ABB-ES		8015	TPHGAS	57E-96-31X	EX573106	DV4S*519	QEFU	21-AUG-96	29-AUG-96	430	440 <	8	UGG	108.3	34.7
		8015	TPHGAS	57E-96-31X	EX573106	DV4S*519	QEFU	21-AUG-96	29-AUG-96	430	310 <	8	UGG	76.3	34.7
		8015	TPHGAS	57B-96-09X	BX570905	DV4S*525	QEXU	29-AUG-96	08-SEP-96	497	380 <	8	UGG	93.6	2.7
		8015	TPHGAS	57B-96-09X	BX570905	DV4S*525	QEXU	29-AUG-96	08-SEP-96	497	370 <	8	UGG	91.1	2.7

			avg											92.3	
			minimum											76.3	
			maximum											108.3	
ABB-ES		9060	TOC	57M-96-09X	BX570914	DV4S*530	ZEMO	27-AUG-96	16-SEP-96	2500	2220	792	UGG	107.6	15.4
		9060	TOC	57M-96-09X	BX570914	DV4S*530	ZEMO	27-AUG-96	16-SEP-96	2720	2070	792	UGG	92.2	15.4

			avg											99.9	
			minimum											92.2	
			maximum											107.6	
ABB-ES		9071	TPHC	ZWB-96-03X	BXZLW0310	DV4S*501	ZELO	23-AUG-96	18-SEP-96	1270	1070 <	27.8	UGG	95.4	.0
		9071	TPHC	ZWB-96-03X	BXZLW0310	DV4S*501	ZELO	23-AUG-96	18-SEP-96	1270	1070 <	27.8	UGG	95.4	.0
		9071	TPHC	57E-96-31X	EX573106	DV4S*519	ZEHO	21-AUG-96	12-SEP-96	47300	1800	18300	UGG	4.0	47.3
		9071	TPHC	57E-96-31X	EX573106	DV4S*519	ZEHO	21-AUG-96	12-SEP-96	47300	1110	18300	UGG	2.5	47.3

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Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Field				Analysis Date	Spike Value	Value <	Original Sample Value Unit	Percent Recovery	RPD
				IRDMIS Site ID	Sample Number	Lab Number	Lot						
ABB-ES	METALS/SOIL/FURNACE	JD24	TL	578-96-09X	BX570905	DV4S*525	RBSB	29-AUG-96	24-SEP-96		.5 UGG	96.0	.0
	METALS/SOIL/FURNACE	JD24	TL	578-96-09X	BX570905	DV4S*525	RBSB	29-AUG-96	24-SEP-96	3.81 <	.5 UGG	95.9	.0
			*****							3.66 <			
			avg									95.9	
			minimum									95.9	
			maximum									96.0	
ABB-ES	METALS/SOIL/FURNACE	JD25	SB	578-96-09X	BX570905	DV4S*525	SBSB	29-AUG-96	23-SEP-96	9.69	1.09 UGG	96.1	.1
	METALS/SOIL/FURNACE	JD25	SB	578-96-09X	BX570905	DV4S*525	SBSB	29-AUG-96	23-SEP-96	9.62	1.09 UGG	96.2	.1
			*****							7.61 <			
			avg									96.2	
			minimum									96.1	
			maximum									96.2	
ABB-ES	METALS/SOIL/ICP	JS16	AG	578-96-09X	BX570905	DV4S*525	UBNI	29-AUG-96	26-SEP-96	9.54	1.12 UGG	92.6	5.1
	METALS/SOIL/ICP	JS16	AG	578-96-09X	BX570905	DV4S*525	UBNI	29-AUG-96	26-SEP-96	9.4	1.12 UGG	88.0	5.1
			*****							7.22			
			avg									90.3	
			minimum									88.0	
			maximum									92.6	
ABB-ES	METALS/SOIL/ICP	JS16	AL	578-96-09X	BX570905	DV4S*525	UBNI	29-AUG-96	26-SEP-96	239	5610 UGG	75.3	193.6
	METALS/SOIL/ICP	JS16	AL	578-96-09X	BX570905	DV4S*525	UBNI	29-AUG-96	26-SEP-96	235	5610 UGG	1.2	193.6
			*****							147			
			avg									38.3	
			minimum									1.2	
			maximum									75.3	
ABB-ES	METALS/SOIL/ICP	JS16	BA	578-96-09X	BX570905	DV4S*525	UBNI	29-AUG-96	26-SEP-96	71.6	13.3 UGG	97.8	3.1
	METALS/SOIL/ICP	JS16	BA	578-96-09X	BX570905	DV4S*525	UBNI	29-AUG-96	26-SEP-96	70.5	13.3 UGG	94.8	3.1
			*****							57.2			
			avg									96.3	
			minimum									94.8	
			maximum									97.8	
ABB-ES	METALS/SOIL/ICP	JS16	BE	578-96-09X	BX570905	DV4S*525	UBNI	29-AUG-96	26-SEP-96	59.6	.5 UGG	101.0	1.1

Contractor	Method Description	IRDMIS Method Code	IRDMIS Field Number						Spike Value	Value <	Original Sample	
			Test Name	IRDMIS Site ID	Sample Number	Lab Number	Sample Date	Analysis Date			Unit	Percent Recovery
ABB-ES	METALS/SOIL/ICP	JS16	BE ***** avg minimum maximum	57B-96-09X BX570905	DV4S*525 UBNI	29-AUG-96	26-SEP-96	58.8	48	.5 UGG	99.9	1.1
	METALS/SOIL/ICP	JS16	CA ***** avg minimum maximum	57B-96-09X BX570905	DV4S*525 UBNI	29-AUG-96	26-SEP-96	5960	4800	292 UGG	98.6	1.6
	METALS/SOIL/ICP	JS16	CD ***** avg minimum maximum	57B-96-09X BX570905	DV4S*525 UBNI	29-AUG-96	26-SEP-96	5880	4660	292 UGG	97.0	1.6
ABB-ES	METALS/SOIL/ICP	JS16	CO ***** avg minimum maximum	57B-96-09X BX570905	DV4S*525 UBNI	29-AUG-96	26-SEP-96	59.6	47.4	.7 UGG	97.3	.4
	METALS/SOIL/ICP	JS16	CD ***** avg minimum maximum	57B-96-09X BX570905	DV4S*525 UBNI	29-AUG-96	26-SEP-96	58.8	46.6	.7 UGG	97.0	.4
	METALS/SOIL/ICP	JS16	CR ***** avg minimum maximum	57B-96-09X BX570905	DV4S*525 UBNI	29-AUG-96	26-SEP-96	119	91.9	2.7 UGG	94.5	1.7
ABB-ES	METALS/SOIL/ICP	JS16	CR ***** avg minimum maximum	57B-96-09X BX570905	DV4S*525 UBNI	29-AUG-96	26-SEP-96	118	89.6	2.7 UGG	92.9	1.7
	METALS/SOIL/ICP	JS16	CR ***** avg minimum maximum	57B-96-09X BX570905	DV4S*525 UBNI	29-AUG-96	26-SEP-96	119	93.9	7.57 UGG	96.6	3.2
	METALS/SOIL/ICP	JS16	CJ ***** avg minimum maximum	57B-96-09X BX570905	DV4S*525 UBNI	29-AUG-96	26-SEP-96	118	90.2	7.57 UGG	93.6	3.2
ABB-ES	METALS/SOIL/ICP	JS16	CJ ***** avg minimum maximum	57B-96-09X BX570905	DV4S*525 UBNI	29-AUG-96	26-SEP-96	59.6	47.9	5.47 UGG	98.4	3.1
	METALS/SOIL/ICP	JS16	CU ***** avg minimum maximum	57B-96-09X BX570905	DV4S*525 UBNI	29-AUG-96	26-SEP-96	58.8	45.8	5.47 UGG	95.3	3.1
	METALS/SOIL/ICP	JS16	CU ***** avg minimum maximum	57B-96-09X BX570905	DV4S*525 UBNI	29-AUG-96	26-SEP-96	96.9			96.9	

Contractor	Method Description	IRDMIS		IRDMIS				IRDMIS				Original		Percent Recovery	RPD	
		Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value <	Sample Value				
ABB-ES	METALS/SOIL/ICP	JS16	maximum	57B-96-09X	BX570905	DV4S*525	UBNI	29-AUG-96	26-SEP-96	1190	782	6410	UGG	98.4	198.1	
		JS16	FE	57B-96-09X	BX570905	DV4S*525	UBNI	29-AUG-96	26-SEP-96	1180	3.68	6410	UGG	80.4	198.1	

			avg													
ABB-ES	METALS/SOIL/ICP	JS16	minimum											40.4		
		JS16	maximum											80.4		
			K	57B-96-09X	BX570905	DV4S*525	UBNI	29-AUG-96	26-SEP-96	5960	4930	521	UGG	101.2	1.9	
		JS16	K	57B-96-09X	BX570905	DV4S*525	UBNI	29-AUG-96	26-SEP-96	5880	4770	521	UGG	99.3	1.9	
ABB-ES	METALS/SOIL/ICP		*****													
			avg											100.3		
			minimum											99.3		
			maximum											101.2		
ABB-ES	METALS/SOIL/ICP	JS16	MG	57B-96-09X	BX570905	DV4S*525	UBNI	29-AUG-96	26-SEP-96	5960	4930	1340	UGG	101.2	6.0	
		JS16	MG	57B-96-09X	BX570905	DV4S*525	UBNI	29-AUG-96	26-SEP-96	5880	4580	1340	UGG	95.3	6.0	

			avg											98.3		
ABB-ES	METALS/SOIL/ICP		minimum											95.3		
			maximum											101.2		
		JS16	MN	57B-96-09X	BX570905	DV4S*525	UBNI	29-AUG-96	26-SEP-96	59.6	42.7	65.2	UGG	87.7	31.1	
		JS16	MN	57B-96-09X	BX570905	DV4S*525	UBNI	29-AUG-96	26-SEP-96	58.8	30.8	65.2	UGG	64.1	31.1	
ABB-ES	METALS/SOIL/ICP		*****													
			avg											75.9		
			minimum											64.1		
			maximum											87.7		
ABB-ES	METALS/SOIL/ICP	JS16	NA	57B-96-09X	BX570905	DV4S*525	UBNI	29-AUG-96	26-SEP-96	5960	4900	505	UGG	100.6	1.3	
		JS16	NA	57B-96-09X	BX570905	DV4S*525	UBNI	29-AUG-96	26-SEP-96	5880	4770	505	UGG	99.3	1.3	

			avg											100.0		
ABB-ES	METALS/SOIL/ICP		minimum											99.3		
			maximum											100.6		
		JS16	NI	57B-96-09X	BX570905	DV4S*525	UBNI	29-AUG-96	26-SEP-96	59.6	46.3	7.3	UGG	95.1	4.9	
		JS16	NI	57B-96-09X	BX570905	DV4S*525	UBNI	29-AUG-96	26-SEP-96	58.8	43.5	7.3	UGG	90.6	4.9	

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Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Field						Spike Value	Value <	Original Sample Value Unit	Percent Recovery	RPD
				IRDMIS Site ID	Sample Number	Lab Number	Lot	Sample Date	Analysis Date					
ABB-ES	TOTAL NITROGEN/WATER/TECH	TF26	N2KJEL	57M-95-03X	MX5703X3	DV4M*537	SHOB	02-OCT-96	28-OCT-96	4000	4000	324 UGL	100.0	.0
ABB-ES	TOTAL NITROGEN/WATER/TECH	TF26	N2KJEL	57M-95-03X	MX5703X3	DV4M*537	SHOB	02-OCT-96	28-OCT-96	4000	4000	324 UGL	100.0	.0
			***** avg minimum maximum										100.0 100.0 100.0	
ABB-ES	PHOSPHATES/WATER/TECHNICON	TF27	P04	57M-95-03X	MX5703X3	DV4M*537	WHAC	02-OCT-96	22-OCT-96	400	427	16.2 UGL	106.8	11.6
ABB-ES	PHOSPHATES/WATER/TECHNICON	TF27	P04	57M-95-03X	MX5703X3	DV4M*537	WHAC	02-OCT-96	22-OCT-96	400	380	16.2 UGL	95.0	11.6
			***** avg minimum maximum										100.9 95.0 106.8	
ABB-ES	PESTICIDES/WATER/GCEC	UH02	PCB016	57M-95-03X	MX5703X3	DV4M*537	SQDF	02-OCT-96	13-OCT-96	3.75	4.25 <	.16 UGL	113.3	5.1
ABB-ES	PESTICIDES/WATER/GCEC	UH02	PCB016	57M-95-03X	MX5703X3	DV4M*537	SQDF	02-OCT-96	13-OCT-96	3.75	4.04 <	.16 UGL	107.7	5.1
			***** avg minimum maximum										110.5 107.7 113.3	
ABB-ES	PESTICIDES/WATER/GCEC	UH02	PCB260	57M-95-03X	MX5703X3	DV4M*537	SQDF	02-OCT-96	13-OCT-96	3.75	2.65 <	.19 UGL	70.7	17.2
ABB-ES	PESTICIDES/WATER/GCEC	UH02	PCB260	57M-95-03X	MX5703X3	DV4M*537	SQDF	02-OCT-96	13-OCT-96	3.75	2.23 <	.19 UGL	59.5	17.2
			***** avg minimum maximum										65.1 59.5 70.7	
ABB-ES	PESTICIDES/WATER/GCEC	UH13	AENSLF	57M-95-03X	MX5703X3	DV4M*537	TDBG	02-OCT-96	30-OCT-96	.5	.383 <	.023 UGL	76.6	.3
ABB-ES	PESTICIDES/WATER/GCEC	UH13	AENSLF	57M-95-03X	MX5703X3	DV4M*537	TDBG	02-OCT-96	30-OCT-96	.5	.382 <	.023 UGL	76.4	.3
			***** avg minimum maximum										76.5 76.4 76.6	

Contractor	Method Code	Method Description	IRDMIS			IRDMIS Field			Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value <	Original		Percent Recovery	RPD
			IRDMIS	Test Name	IRDMIS Site ID	Sample Number	IRDMIS	Field Number							Sample Value	Unit		
ABB-ES	UH13	PESTICIDES/WATER/GCEC		ALDRN	57M-95-03X	MX5703X3		MX5703X3	DV4M*537	TDBG	02-OCT-96	30-OCT-96	.5	.328 <	.0918	UGL	65.6	2.2
ABB-ES	UH13	PESTICIDES/WATER/GCEC		ALDRN	57M-95-03X	MX5703X3		MX5703X3	DV4M*537	TDBG	02-OCT-96	30-OCT-96	.5	.521 <	.0918	UGL	64.2	2.2

				avg													64.9	
				minimum													64.2	
				maximum													65.6	
ABB-ES	UH13	PESTICIDES/WATER/GCEC		BENSLF	57M-95-03X	MX5703X3		MX5703X3	DV4M*537	TDBG	02-OCT-96	30-OCT-96	.5	.424 <	.023	UGL	84.8	.5
ABB-ES	UH13	PESTICIDES/WATER/GCEC		BENSLF	57M-95-03X	MX5703X3		MX5703X3	DV4M*537	TDBG	02-OCT-96	30-OCT-96	.5	.422 <	.023	UGL	84.4	.5

				avg													84.6	
				minimum													84.4	
				maximum													84.8	
ABB-ES	UH13	PESTICIDES/WATER/GCEC		DLDRN	57M-95-03X	MX5703X3		MX5703X3	DV4M*537	TDBG	02-OCT-96	30-OCT-96	.5	.434 <	.024	UGL	86.8	5.0
ABB-ES	UH13	PESTICIDES/WATER/GCEC		DLDRN	57M-95-03X	MX5703X3		MX5703X3	DV4M*537	TDBG	02-OCT-96	30-OCT-96	.5	.413 <	.024	UGL	82.6	5.0

				avg													84.7	
				minimum													82.6	
				maximum													86.8	
ABB-ES	UH13	PESTICIDES/WATER/GCEC		ENDRN	57M-95-03X	MX5703X3		MX5703X3	DV4M*537	TDBG	02-OCT-96	30-OCT-96	.5	.401 <	.0238	UGL	80.2	1.5
ABB-ES	UH13	PESTICIDES/WATER/GCEC		ENDRN	57M-95-03X	MX5703X3		MX5703X3	DV4M*537	TDBG	02-OCT-96	30-OCT-96	.5	.395 <	.0238	UGL	79.0	1.5

				avg													79.6	
				minimum													79.0	
				maximum													80.2	
ABB-ES	UH13	PESTICIDES/WATER/GCEC		HPCL	57M-95-03X	MX5703X3		MX5703X3	DV4M*537	TDBG	02-OCT-96	30-OCT-96	.5	.341 <	.0423	UGL	68.2	18.9
ABB-ES	UH13	PESTICIDES/WATER/GCEC		HPCL	57M-95-03X	MX5703X3		MX5703X3	DV4M*537	TDBG	02-OCT-96	30-OCT-96	.5	.282 <	.0423	UGL	56.4	18.9

				avg													62.3	
				minimum													56.4	
				maximum													68.2	
ABB-ES	UH13	PESTICIDES/WATER/GCEC		ISODR	57M-95-03X	MX5703X3		MX5703X3	DV4M*537	TDBG	02-OCT-96	30-OCT-96	1	.667 <	.0562</			

[illegible]

APPENDIX D-3
TABLE D-11
ELEMENTS WITH MATRIX SPIKE RECOVERIES IN SOIL
OUTSIDE USEPA CRITERIA

1995 AOC 57 AND 69W REMEDIAL INVESTIGATION
FORT DEVENS, MASSACHUSETTS

ELEMENT	FREQUENCY OF RECOVERY OUTSIDE USEPA CLP LIMITS	RECOVERY RANGE
Mercury	1/2	74.7
Arsenic	2/2	52.7 - 68.1
Manganese	1/2	64.1

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**APPENDIX D-3
TABLE D-12
USEPA CLP SURROGATE RECOVERY CRITERIA FOR SVOCS**

**1995 AOC 57 AND 69W REMEDIAL INVESTIGATION
FORT DEVENS, MASSACHUSETTS**

SURROGATE	PERCENT RECOVERY LIMITS FOR WATER	PERCENT RECOVERY LIMITS FOR SOIL
2-Fluorophenol	21% to 100%	25% to 121%
Phenol-D6	10% to 94%	24% to 113%
2,4,6-Tribromophenol	10% to 123%	19% to 122%
Nitrobenzene-D5	35% to 114%	23% to 120%
2-Fluorobiphenyl	43% to 116%	30% to 115%
Terphenyl-D14	33% to 141%	18% to 137%

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Appendix D-3
Table: D-13
FT. DEVENS DIV4 1996
SEMIVOLATILE SURROGATE RESULTS

Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value	Unit	Percent Recovery
ABB-ES	ORGANICS/SOIL/GCMS	LM18	246TBP	57E-96-28X	EX572810	DV4S*516	QETK	19-AUG-96	13-SEP-96	6.7	5.2	UGG	77.6
	ORGANICS/SOIL/GCMS	LM18	246TBP	57E-96-29X	EX572911	DV4S*517	QETK	20-AUG-96	13-SEP-96	6.7	3.6	UGG	53.7
	ORGANICS/SOIL/GCMS	LM18	246TBP	57E-96-30X	EX573006	DV4S*518	QETK	20-AUG-96	13-SEP-96	6.7	7	UGG	104.5
	ORGANICS/SOIL/GCMS	LM18	246TBP	57E-96-31X	EX573106	DV4S*519	QETK	21-AUG-96	13-SEP-96	6.7	3.6	UGG	53.7
	ORGANICS/SOIL/GCMS	LM18	246TBP	57B-96-07X	EX570700	DV4S*520	QETK	28-AUG-96	11-SEP-96	6.7	4.9	UGG	73.1
	ORGANICS/SOIL/GCMS	LM18	246TBP	57B-96-07X	EX570705	DV4S*521	QETK	28-AUG-96	11-SEP-96	6.7	3.1	UGG	46.3
	ORGANICS/SOIL/GCMS	LM18	246TBP	57B-96-08X	EX570800	DV4S*522	QETK	29-AUG-96	11-SEP-96	6.7	6	UGG	89.6
	ORGANICS/SOIL/GCMS	LM18	246TBP	57B-96-08X	EX570805	DV4S*523	QETK	29-AUG-96	11-SEP-96	6.7	5.8	UGG	86.6
	ORGANICS/SOIL/GCMS	LM18	246TBP	57B-96-09X	EX570900	DV4S*524	QETK	29-AUG-96	11-SEP-96	6.7	6.1	UGG	91.0
	ORGANICS/SOIL/GCMS	LM18	246TBP	57B-96-09X	EX570905	DV4S*525	QETK	29-AUG-96	11-SEP-96	6.7	5.8	UGG	86.6
	ORGANICS/SOIL/GCMS	LM18	246TBP	57B-96-09X	EX570905	DV4S*525	QETK	29-AUG-96	12-SEP-96	6.7	5.7	UGG	85.1
	ORGANICS/SOIL/GCMS	LM18	246TBP	57B-96-10X	EX571005	DV4S*526	QETK	03-SEP-96	23-SEP-96	6.7	8.6	UGG	128.4
	ORGANICS/SOIL/GCMS	LM18	246TBP	57B-96-10X	EX571010	DV4S*527	QETK	03-SEP-96	23-SEP-96	6.7	8.7	UGG	129.9
	ORGANICS/SOIL/GCMS	LM18	246TBP	57B-96-11X	EX571105	DV4S*528	QETK	03-SEP-96	23-SEP-96	6.7	7.9	UGG	117.9
	ORGANICS/SOIL/GCMS	LM18	246TBP	57B-96-11X	EX571110	DV4S*529	QETK	03-SEP-96	23-SEP-96	6.7	6.7	UGG	100.0
	ORGANICS/SOIL/GCMS	LM18	246TBP	57B-96-11X	BD571110	DV4S*539	QETK	03-SEP-96	23-SEP-96	6.7	6.1	UGG	91.0

	avg												
minimum													
maximum													
ABB-ES	ORGANICS/SOIL/GCMS	LM18	2FBP	57E-96-28X	EX572810	DV4S*516	QETK	19-AUG-96	13-SEP-96	3.3	3.5	UGG	106.1
	ORGANICS/SOIL/GCMS	LM18	2FBP	57E-96-29X	EX572911	DV4S*517	QETK	20-AUG-96	13-SEP-96	3.3	3.5	UGG	106.1
	ORGANICS/SOIL/GCMS	LM18	2FBP	57E-96-30X	EX573006	DV4S*518	QETK	20-AUG-96	13-SEP-96	3.3	4.1	UGG	124.2
	ORGANICS/SOIL/GCMS	LM18	2FBP	57E-96-31X	EX573106	DV4S*519	QETK	21-AUG-96	13-SEP-96	3.3	3.9	UGG	118.2
	ORGANICS/SOIL/GCMS	LM18	2FBP	57B-96-07X	EX570700	DV4S*520	QETK	28-AUG-96	11-SEP-96	3.3	3.2	UGG	97.0
	ORGANICS/SOIL/GCMS	LM18	2FBP	57B-96-07X	EX570705	DV4S*521	QETK	28-AUG-96	11-SEP-96	3.3	3.2	UGG	97.0
	ORGANICS/SOIL/GCMS	LM18	2FBP	57B-96-08X	EX570800	DV4S*522	QETK	29-AUG-96	11-SEP-96	3.3	3.4	UGG	103.0
	ORGANICS/SOIL/GCMS	LM18	2FBP	57B-96-08X	EX570805	DV4S*523	QETK	29-AUG-96	11-SEP-96	3.3	3.4	UGG	103.0
	ORGANICS/SOIL/GCMS	LM18	2FBP	57B-96-09X	EX570900	DV4S*524	QETK	29-AUG-96	11-SEP-96	3.3	3.6	UGG	109.1
	ORGANICS/SOIL/GCMS	LM18	2FBP	57B-96-09X	EX570905	DV4S*525	QETK	29-AUG-96	11-SEP-96	3.3	3.4	UGG	103.0
	ORGANICS/SOIL/GCMS	LM18	2FBP	57B-96-09X	EX570905	DV4S*525	QETK	29-AUG-96	12-SEP-96	3.3	3.4	UGG	103.0
	ORGANICS/SOIL/GCMS	LM18	2FBP	57B-96-10X	EX571005	DV4S*526	QETK	03-SEP-96	23-SEP-96	3.3	3.2	UGG	97.0
	ORGANICS/SOIL/GCMS	LM18	2FBP	57B-96-10X	EX571010	DV4S*527	QETK	03-SEP-96	23-SEP-96	3.3	2.3	UGG	69.7
	ORGANICS/SOIL/GCMS	LM18	2FBP	57B-96-11X	EX571105	DV4S*528	QETK	03-SEP-96	23-SEP-96	3.3	2.5	UGG	75.8
	ORGANICS/SOIL/GCMS	LM18	2FBP	57B-96-11X	EX571110	DV4S*529	QETK	03-SEP-96	23-SEP-96	3.3	3.4	UGG	103.0
	ORGANICS/SOIL/GCMS	LM18	2FBP	57B-96-11X	BD571110	DV4S*539	QETK	03-SEP-96	23-SEP-96	3.3	2.4	UGG	72.7
	ORGANICS/SOIL/GCMS	LM18	2FBP	57B-96-11X	BD571110	DV4S*539	QETK	03-SEP-96	23-SEP-96	3.3	2.5	UGG	75.8

Appendix D-3
Table: D-13
FT. DEVENS DV4 1996
SEMIVOLATILE SURROGATE RESULTS

Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value Unit	Percent Recovery

			avg									97.9
			minimum									69.7
			maximum									124.2
ABB-ES	ORGANICS/SOIL/GCMS	LM18	2FP	57E-96-28X	EX572810	DV4S*516	OETK	19-AUG-96	13-SEP-96	6.7	3.6 UGG	53.7
ABB-ES	ORGANICS/SOIL/GCMS	LM18	2FP	57E-96-29X	EX572911	DV4S*517	OETK	20-AUG-96	13-SEP-96	6.7	6.7 UGG	100.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	2FP	57E-96-30X	EX573006	DV4S*518	OETK	20-AUG-96	13-SEP-96	6.7	8.2 UGG	122.4
ABB-ES	ORGANICS/SOIL/GCMS	LM18	2FP	57E-96-31X	EX573106	DV4S*519	OETK	21-AUG-96	13-SEP-96	6.7	4.7 UGG	70.1
ABB-ES	ORGANICS/SOIL/GCMS	LM18	2FP	57B-96-07X	EX570700	DV4S*520	OEMK	28-AUG-96	11-SEP-96	6.7	5.5 UGG	82.1
ABB-ES	ORGANICS/SOIL/GCMS	LM18	2FP	57B-96-07X	EX570705	DV4S*521	OEMK	28-AUG-96	11-SEP-96	6.7	6.2 UGG	92.5
ABB-ES	ORGANICS/SOIL/GCMS	LM18	2FP	57B-96-08X	EX570800	DV4S*522	OEMK	29-AUG-96	11-SEP-96	6.7	6.5 UGG	97.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	2FP	57B-96-08X	EX570805	DV4S*523	OEMK	29-AUG-96	11-SEP-96	6.7	6.4 UGG	95.5
ABB-ES	ORGANICS/SOIL/GCMS	LM18	2FP	57B-96-09X	EX570900	DV4S*524	OEMK	29-AUG-96	11-SEP-96	6.7	6.9 UGG	103.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	2FP	57B-96-09X	EX570905	DV4S*525	OEMK	29-AUG-96	12-SEP-96	6.7	6.7 UGG	100.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	2FP	57B-96-09X	EX570905	DV4S*525	OEMK	29-AUG-96	12-SEP-96	6.7	6.5 UGG	97.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	2FP	57B-96-10X	EX571005	DV4S*526	OEMK	03-SEP-96	23-SEP-96	6.7	6.9 UGG	103.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	2FP	57B-96-11X	EX571105	DV4S*528	OEMK	03-SEP-96	23-SEP-96	6.7	6 UGG	89.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18	2FP	57B-96-11X	EX571110	DV4S*529	OEMK	03-SEP-96	23-SEP-96	6.7	5.8 UGG	86.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18	2FP	57B-96-11X	BD571110	DV4S*539	OEMK	03-SEP-96	23-SEP-96	6.7	7.3 UGG	109.0

			avg									93.7
			minimum									53.7
			maximum									122.4
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NBD5	57E-96-28X	EX572810	DV4S*516	OETK	19-AUG-96	13-SEP-96	3.3	3 UGG	90.9
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NBD5	57E-96-29X	EX572911	DV4S*517	OETK	20-AUG-96	13-SEP-96	3.3	3 UGG	90.9
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NBD5	57E-96-30X	EX573006	DV4S*518	OETK	20-AUG-96	13-SEP-96	3.3	2.6 UGG	78.8
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NBD5	57E-96-31X	EX573106	DV4S*519	OETK	21-AUG-96	13-SEP-96	3.3	2.7 UGG	81.8
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NBD5	57B-96-07X	EX570700	DV4S*520	OEMK	28-AUG-96	11-SEP-96	3.3	3.3 UGG	100.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NBD5	57B-96-07X	EX570705	DV4S*521	OEMK	28-AUG-96	11-SEP-96	3.3	2.9 UGG	87.9
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NBD5	57B-96-08X	EX570800	DV4S*522	OEMK	29-AUG-96	11-SEP-96	3.3	3.6 UGG	109.1
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NBD5	57B-96-08X	EX570805	DV4S*523	OEMK	29-AUG-96	11-SEP-96	3.3	3.4 UGG	103.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NBD5	57B-96-09X	EX570900	DV4S*524	OEMK	29-AUG-96	11-SEP-96	3.3	3.7 UGG	112.1
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NBD5	57B-96-09X	EX570905	DV4S*525	OEMK	29-AUG-96	11-SEP-96	3.3	3.5 UGG	106.1
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NBD5	57B-96-09X	EX570905	DV4S*525	OEMK	29-AUG-96	12-SEP-96	3.3	3.4 UGG	103.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NBD5	57B-96-09X	EX570905	DV4S*525	OEMK	29-AUG-96	12-SEP-96	3.3	3.3 UGG	100.0

Appendix D-3
Table: D-13
FT. DEVENS DV4 1996
SEMIVOLATILE SURROGATE RESULTS

Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value Unit	Percent Recovery
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NBD5	578-96-10X	BX571005	DV4S*526	OEKX	03-SEP-96	23-SEP-96	3.3	3.5 UGG	106.1
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NBD5	578-96-10X	BX571010	DV4S*527	OEKX	03-SEP-96	23-SEP-96	3.3	3.5 UGG	106.1
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NBD5	578-96-11X	BX571105	DV4S*528	OEKX	03-SEP-96	23-SEP-96	3.3	3.2 UGG	97.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NBD5	578-96-11X	BX571110	DV4S*529	OEKX	03-SEP-96	23-SEP-96	3.3	2.7 UGG	81.8
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NBD5	578-96-11X	BD571110	DV4S*539	OEKX	03-SEP-96	23-SEP-96	3.3	3.4 UGG	103.0

			avg									97.5
			minimum									78.8
			maximum									112.1
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHEND6	57E-96-28X	EX572810	DV4S*516	OEKX	19-AUG-96	13-SEP-96	6.7	4.4 UGG	65.7
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHEND6	57E-96-29X	EX572911	DV4S*517	OEKX	20-AUG-96	13-SEP-96	6.7	6 UGG	89.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHEND6	57E-96-30X	EX573006	DV4S*518	OEKX	20-AUG-96	13-SEP-96	6.7	6 UGG	89.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHEND6	57E-96-31X	EX573106	DV4S*519	OEKX	21-AUG-96	13-SEP-96	6.7	1.2 UGG	17.9
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHEND6	57E-96-07X	BX570700	DV4S*520	OEKX	28-AUG-96	11-SEP-96	6.7	4.5 UGG	67.2
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHEND6	57E-96-07X	BX570705	DV4S*521	OEKX	28-AUG-96	11-SEP-96	6.7	5.4 UGG	80.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHEND6	57E-96-08X	BX570800	DV4S*522	OEKX	29-AUG-96	11-SEP-96	6.7	6.1 UGG	91.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHEND6	57E-96-08X	BX570805	DV4S*523	OEKX	29-AUG-96	11-SEP-96	6.7	5.8 UGG	86.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHEND6	57E-96-09X	BX570900	DV4S*524	OEKX	29-AUG-96	11-SEP-96	6.7	6.3 UGG	94.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHEND6	57E-96-09X	BX570905	DV4S*525	OEKX	29-AUG-96	12-SEP-96	6.7	6.4 UGG	95.5
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHEND6	57E-96-10X	BX571005	DV4S*525	OEKX	29-AUG-96	12-SEP-96	6.7	6.2 UGG	92.5
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHEND6	57E-96-10X	BX571010	DV4S*525	OEKX	29-AUG-96	11-SEP-96	6.7	5.9 UGG	88.1
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHEND6	57E-96-11X	BX571105	DV4S*526	OEKX	03-SEP-96	23-SEP-96	6.7	6.3 UGG	98.5
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHEND6	57E-96-11X	BX571110	DV4S*527	OEKX	03-SEP-96	23-SEP-96	6.7	6.6 UGG	98.5
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHEND6	57E-96-11X	BX571110	DV4S*528	OEKX	03-SEP-96	23-SEP-96	6.7	5 UGG	74.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHEND6	57E-96-11X	BD571110	DV4S*529	OEKX	03-SEP-96	23-SEP-96	6.7	5.4 UGG	80.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHEND6	57E-96-11X	BD571110	DV4S*539	OEKX	03-SEP-96	23-SEP-96	6.7	7 UGG	104.5

			avg									83.0
			minimum									17.9
			maximum									104.5
ABB-ES	ORGANICS/SOIL/GCMS	LM18	TRPD14	57E-96-28X	EX572810	DV4S*516	OEKX	19-AUG-96	13-SEP-96	3.3	3.4 UGG	103.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	TRPD14	57E-96-29X	EX572911	DV4S*517	OEKX	20-AUG-96	13-SEP-96	3.3	2.2 UGG	66.7
ABB-ES	ORGANICS/SOIL/GCMS	LM18	TRPD14	57E-96-30X	EX573006	DV4S*518	OEKX	20-AUG-96	13-SEP-96	3.3	3.3 UGG	100.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	TRPD14	57E-96-31X	EX573106	DV4S*519	OEKX	21-AUG-96	13-SEP-96	3.3	3.5 UGG	106.1
ABB-ES	ORGANICS/SOIL/GCMS	LM18	TRPD14	57E-96-07X	BX570700	DV4S*520	OEKX	28-AUG-96	11-SEP-96	3.3	3 UGG	90.9
ABB-ES	ORGANICS/SOIL/GCMS	LM18	TRPD14	57E-96-07X	BX570705	DV4S*521	OEKX	28-AUG-96	11-SEP-96	3.3	3.2 UGG	97.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	TRPD14	57E-96-08X	BX570800	DV4S*522	OEKX	29-AUG-96	11-SEP-96	3.3	3.7 UGG	112.1

[illegible]

SEMIVOLATILE SURROGATE RESULTS

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avg
minimum
maximum

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Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Field			Lab Number	Sample Date	Analysis Date	Spike Value	Value	Unit	Percent Recovery
				IRDMIS Site ID	Sample Number	IRDMIS Field							
ABB-ES	VOLATILES/SOIL/GCMS	LM19	120CD4	57E-96-28X	EX572810	DV4S*516	YGK 19-AUG-96	30-AUG-96	.05	.051	UGG	102.0	
	VOLATILES/SOIL/GCMS	LM19	120CD4	57E-96-29X	EX572911	DV4S*517	YGK 20-AUG-96	30-AUG-96	.05	.049	UGG	98.0	
	VOLATILES/SOIL/GCMS	LM19	120CD4	57E-96-30X	EX573006	DV4S*518	YGK 20-AUG-96	30-AUG-96	.05	.05	UGG	100.0	
	VOLATILES/SOIL/GCMS	LM19	120CD4	57E-96-31X	EX573106	DV4S*519	YGK 21-AUG-96	30-AUG-96	.05	.052	UGG	104.0	
	VOLATILES/SOIL/GCMS	LM19	120CD4	57B-96-07X	EX570700	DV4S*520	YGRK 28-AUG-96	11-SEP-96	.05	.052	UGG	104.0	
	VOLATILES/SOIL/GCMS	LM19	120CD4	57B-96-10X	EX571005	DV4S*526	YGRK 03-SEP-96	12-SEP-96	.05	.053	UGG	106.0	
	VOLATILES/SOIL/GCMS	LM19	120CD4	57B-96-10X	EX571010	DV4S*527	YGRK 03-SEP-96	11-SEP-96	.05	.063	UGG	126.0	
	VOLATILES/SOIL/GCMS	LM19	120CD4	57B-96-11X	EX571105	DV4S*528	YGRK 03-SEP-96	11-SEP-96	.05	.053	UGG	106.0	
	VOLATILES/SOIL/GCMS	LM19	120CD4	57B-96-11X	EX571110	DV4S*529	YGRK 03-SEP-96	11-SEP-96	.05	.053	UGG	106.0	
	VOLATILES/SOIL/GCMS	LM19	120CD4	57B-96-11X	BD571110	DV4S*539	YGRK 03-SEP-96	11-SEP-96	.05	.053	UGG	106.0	

	avg											105.8	
	minimum											98.0	
	maximum											126.0	
ABB-ES	VOLATILES/SOIL/GCMS	LM19	48FB	57E-96-28X	EX572810	DV4S*516	YGK 19-AUG-96	30-AUG-96	.05	.088	UGG	176.0	
	VOLATILES/SOIL/GCMS	LM19	48FB	57E-96-29X	EX572911	DV4S*517	YGK 20-AUG-96	30-AUG-96	.05	.048	UGG	96.0	
	VOLATILES/SOIL/GCMS	LM19	48FB	57E-96-30X	EX573006	DV4S*518	YGK 20-AUG-96	30-AUG-96	.05	.091	UGG	182.0	
	VOLATILES/SOIL/GCMS	LM19	48FB	57E-96-31X	EX573106	DV4S*519	YGK 21-AUG-96	30-AUG-96	.05	.044	UGG	88.0	
	VOLATILES/SOIL/GCMS	LM19	48FB	57B-96-07X	EX570700	DV4S*520	YGRK 28-AUG-96	11-SEP-96	.05	.035	UGG	70.0	
	VOLATILES/SOIL/GCMS	LM19	48FB	57B-96-10X	EX571005	DV4S*526	YGRK 03-SEP-96	12-SEP-96	.05	.045	UGG	90.0	
	VOLATILES/SOIL/GCMS	LM19	48FB	57B-96-10X	EX571010	DV4S*527	YGRK 03-SEP-96	11-SEP-96	.05	.046	UGG	92.0	
	VOLATILES/SOIL/GCMS	LM19	48FB	57B-96-11X	EX571105	DV4S*528	YGRK 03-SEP-96	11-SEP-96	.05	.047	UGG	94.0	
	VOLATILES/SOIL/GCMS	LM19	48FB	57B-96-11X	EX571110	DV4S*529	YGRK 03-SEP-96	11-SEP-96	.05	.041	UGG	82.0	
	VOLATILES/SOIL/GCMS	LM19	48FB	57B-96-11X	BD571110	DV4S*539	YGRK 03-SEP-96	11-SEP-96	.05	.047	UGG	94.0	

	avg											106.4	
	minimum											70.0	
	maximum											182.0	
ABB-ES	VOLATILES/SOIL/GCMS	LM19	MEC608	57E-96-28X	EX572810	DV4S*516	YGK 19-AUG-96	30-AUG-96	.05	.053	UGG	106.0	
	VOLATILES/SOIL/GCMS	LM19	MEC608	57E-96-29X	EX572911	DV4S*517	YGK 20-AUG-96	30-AUG-96	.05	.05	UGG	100.0	
	VOLATILES/SOIL/GCMS	LM19	MEC608	57E-96-30X	EX573006	DV4S*518	YGK 20-AUG-96	30-AUG-					

Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value	Unit	Percent Recovery	
ABB-ES	VOLATILES/SOIL/GCMS	LM19	MEC408	57B-96-11X	BD571110	DV4S*539	YORK	03-SEP-96	11-SEP-96	.05	.047	UGG	94.0	

			avg											101.2
			minimum											90.0
			maximum											116.0
			12DD4	57M-96-11X	MD5711X1	DV4M*305	XDLS	02-OCT-96	09-OCT-96	50	49	UGL	98.0	
			12DD4	57M-96-12X	MX5712X1	DV4M*306	XDLS	02-OCT-96	09-OCT-96	50	50	UGL	100.0	
			12DD4	57M-96-13X	MX5713X1	DV4M*307	XDLS	02-OCT-96	09-OCT-96	50	49	UGL	98.0	
			12DD4	57M-96-09X	MX5709X1	DV4M*533	XDLS	01-OCT-96	09-OCT-96	50	49	UGL	98.0	
			12DD4	57M-96-10X	MX5710X1	DV4M*534	XDKS	02-OCT-96	09-OCT-96	50	52	UGL	104.0	
12DD4	57M-96-11X	MX5711X1	DV4M*535	XDLS	02-OCT-96	09-OCT-96	50	49	UGL	98.0				
12DD4	G3M-92-07X	MXG307X3	DV4M*536	XDLS	01-OCT-96	09-OCT-96	50	49	UGL	98.0				
12DD4	57M-95-03X	MX5703X3	DV4M*537	XDMS	02-OCT-96	10-OCT-96	50	53	UGL	106.0				
12DD4	57M-95-03X	MX5703X3	DV4M*537	XDMS	02-OCT-96	10-OCT-96	50	52	UGL	104.0				
12DD4	57M-95-03X	MX5703X3	DV4M*537	XDMS	02-OCT-96	10-OCT-96	50	49	UGL	98.0				
12DD4	TBK-96-561	TBK96561	DV4M*561	XDVR	22-AUG-96	30-AUG-96	50	50	UGL	100.0				
12DD4	TBK-95-565	TBK96565	DV4M*565	XDLS	02-OCT-96	09-OCT-96	50	51	UGL	102.0				
12DD4	TBK-96-197	TBK96197	DV5M*197	XDKS	03-OCT-96	09-OCT-96	50	53	UGL	106.0				
12DD4	XSA-96-16X	XXSA1650	DV5M*238	XDLS	01-OCT-96	09-OCT-96	50	50	UGL	100.0				

			avg										100.7	
			minimum										98.0	
			maximum										106.0	
ABB-ES	VOLATILES/WATER/GCMS	UM20	48FB	57M-96-11X	MD5711X1	DV4M*305	XDLS	02-OCT-96	09-OCT-96	50	47	UGL	94.0	
			48FB	57M-96-12X	MX5712X1	DV4M*306	XDLS	02-OCT-96	09-OCT-96	50	47	UGL	94.0	
			48FB	57M-96-13X	MX5713X1	DV4M*307	XDLS	02-OCT-96	09-OCT-96	50	47	UGL	94.0	
			48FB	57M-96-09X	MX5709X1	DV4M*533	XDLS	01-OCT-96	09-OCT-96	50	46	UGL	92.0	
			48FB	57M-96-10X	MX5710X1	DV4M*534	XDKS	02-OCT-96	09-OCT-96	50	49	UGL	98.0	
			48FB	57M-96-11X	MX5711X1	DV4M*535	XDLS	02-OCT-96	09-OCT-96	50	48	UGL	96.0	
			48FB	G3M-92-07X	MXG307X3	DV4M*536	XDLS	01-OCT-96	09-OCT-96	50	44	UGL	88.0	
			48FB	57M-95-03X	MX5703X3	DV4M*537	XDMS	02-OCT-96	10-OCT-96	50	53	UGL	106.0	
			48FB	57M-95-03X	MX5703X3	DV4M*537	XDMS	02-OCT-96	10-OCT-96	50	52	UGL	104.0	
			48FB	TBK-96-561	TBK96561	DV4M*561	XDVR	22-AUG-96	30-AUG-96	50	45	UGL	90.0	
48FB	TBK-95-565	TBK96565	DV4M*565	XDLS	02-OCT-96	09-OCT-96	50	46	UGL	92.0				
48FB	TBK-96-197	TBK96197	DV5M*197	XDKS	03-OCT-96	09-OCT-96	50	51	UGL	102.0				

[illegible]

**APPENDIX D-3
TABLE D-15
USEPA CLP SURROGATE RECOVERY CRITERIA FOR VOCS**

**1995 AOC 57 AND 69W REMEDIAL INVESTIGATION
FORT DEVENS, MASSACHUSETTS**

SURROGATE	PERCENT RECOVERY LIMITS FOR WATER	PERCENT RECOVERY LIMITS FOR SOIL
1,2-Dichloroethane-D4	76% to 114%	70% to 121%
4-Bromofluorobenzene	86% to 115%	74% to 121%
Toluene-D8	88% to 110%	81% to 117%

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Appendix D-3
Table: D-16
FT. DEVENS DV4 1996
PEST/PCB SURROGATE RECOVERIES

Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value Unit	Percent Recovery
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL10BP	57E-96-28X	EX572810	DV4S*516	UFQF	19-AUG-96	26-SEP-96	.0667	.0272 UGG	40.8
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL10BP	57E-96-29X	EX572911	DV4S*517	UFQF	20-AUG-96	26-SEP-96	.0667	.0378 UGG	56.7
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL10BP	57E-96-30X	EX573006	DV4S*518	UFQF	20-AUG-96	26-SEP-96	.0667	.0483 UGG	72.4
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL10BP	57E-96-31X	EX573106	DV4S*519	UFQF	21-AUG-96	26-SEP-96	.0667	.0774 UGG	116.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL10BP	57B-96-07X	EX570700	DV4S*520	UFQF	28-AUG-96	01-OCT-96	.0667	.056 UGG	84.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL10BP	57B-96-07X	EX570705	DV4S*521	UFQF	28-AUG-96	01-OCT-96	.0667	.0498 UGG	74.7
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL10BP	57B-96-08X	EX570800	DV4S*522	UFQF	29-AUG-96	01-OCT-96	.0667	.0844 UGG	126.5
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL10BP	57B-96-08X	EX570805	DV4S*523	UFQF	29-AUG-96	01-OCT-96	.0667	.0977 UGG	146.5
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL10BP	57B-96-09X	EX570900	DV4S*524	UFQF	29-AUG-96	01-OCT-96	.0667	.0862 UGG	129.2
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL10BP	57B-96-09X	EX570905	DV4S*525	UFQF	29-AUG-96	01-OCT-96	.0667	.1 UGG	149.9

avg minimum maximum												
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL4XYL	57E-96-28X	EX572810	DV4S*516	UFQF	19-AUG-96	26-SEP-96	.0667	.0301 UGG	45.1
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL4XYL	57E-96-29X	EX572911	DV4S*517	UFQF	20-AUG-96	26-SEP-96	.0667	.045 UGG	67.5
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL4XYL	57E-96-30X	EX573006	DV4S*518	UFQF	20-AUG-96	26-SEP-96	.0667	.048 UGG	72.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL4XYL	57E-96-31X	EX573106	DV4S*519	UFQF	21-AUG-96	26-SEP-96	.0667	.0485 UGG	102.7
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL4XYL	57B-96-07X	EX570700	DV4S*520	UFQF	28-AUG-96	01-OCT-96	.0667	.0589 UGG	88.3
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL4XYL	57B-96-07X	EX570705	DV4S*521	UFQF	28-AUG-96	01-OCT-96	.0667	.0487 UGG	73.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL4XYL	57B-96-08X	EX570800	DV4S*522	UFQF	29-AUG-96	01-OCT-96	.0667	.0673 UGG	100.9
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL4XYL	57B-96-08X	EX570805	DV4S*523	UFQF	29-AUG-96	01-OCT-96	.0667	.0713 UGG	106.9
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL4XYL	57B-96-09X	EX570900	DV4S*524	UFQF	29-AUG-96	01-OCT-96	.0667	.0603 UGG	90.4
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL4XYL	57B-96-09X	EX570905	DV4S*525	UFQF	29-AUG-96	01-OCT-96	.0667	.0672 UGG	100.7

avg minimum maximum												
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL10BP	57E-96-28X	EX572810	DV4S*516	NGHH	19-AUG-96	01-OCT-96	.0667	.01 UGG	15.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL10BP	57E-96-29X	EX572911	DV4S*517	NGHH	20-AUG-96	30-SEP-96	.0667	.057 UGG	83.5
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL10BP	57E-96-30X	EX573006	DV4S*518	NGHH	20-AUG-96	30-SEP-96	.0667	.01 UGG	15.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL10BP	57E-96-31X	EX573106	DV4S*519	NGHH	21-AUG-96	30-SEP-96	.0667	.0131 UGG	19.6
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL10BP	57B-96-07X	EX570700	DV4S*520	NGJH	28-AUG-96	10-OCT-96	.0667	.0651 UGG	97.6
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL10BP	57B-96-07X	EX570705	DV4S*521	NGJH	28-AUG-96	10-OCT-96	.0667	.0889 UGG	133.3
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL10BP	57B-96-08X	EX570800	DV4S*522	NGJH	29-AUG-96	10-OCT-96	.0667	.0961 UGG	144.1
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL10BP	57B-96-08X	EX570805	DV4S*523	NGJH	29-AUG-96	10-OCT-96	.0667	.105 UGG	157.4

Appendix D-3

Table: D-16

FT. DEVENS DV4 1996

PEST/PCB SURROGATE RECOVERIES

FROM ITS

**APPENDIX D-3
TABLE D-17
USEPA CLP SPIKE PRECISION CRITERIA FOR PESTICIDES**

**1995 AOC 57 AND 69W REMEDIAL INVESTIGATION
FORT DEVENS, MASSACHUSETTS**

SPIKE COMPOUND	RPD LIMITS FOR WATER
Lindane (gamma-BHC)	15
Heptachlor	20
Aldrin	22
Dieldrin	18
Endrin	21
4,4-DDT	27

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Appendix D-3
Table: D-18
FIELD DUPLICATE RESULTS
FT. DEVENS DV4 1996

Contractor	Method Description	IRDMIS		Field				Analysis Date	Value	Unit	RPD
		Method Code	Test Name	IRDMIS Site ID	Sample Number	Lab Number	Lot Number	Sample Date			
ABB-ES		1302	HARD	57M-96-11X	MX5711X1	DV4M*535	ZKGN	02-OCT-96	1.610E+09	UGL	34.2
ABB-ES		1302	HARD	57M-96-11X	MD5711X1	DV4M*305	ZKGN	02-OCT-96	1.140E+09	UGL	34.2
ABB-ES		1302	HARD	Z4M-96-19X	MDZ419X1	DV4M*304	ZKGN	30-SEP-96	85000000	UGL	3.1
ABB-ES		1302	HARD	Z4M-96-19X	MXZ419X1	DV4M*510	ZKGN	30-SEP-96	82400000	UGL	3.1
ABB-ES		1602	TSS	57M-96-11X	MX5711X1	DV4M*535	ZKJM	02-OCT-96	26000	UGL	3.9
ABB-ES		1602	TSS	57M-96-11X	MD5711X1	DV4M*305	ZKJM	02-OCT-96	25000	UGL	3.9
ABB-ES		1602	TSS	Z4M-96-19X	MDZ419X1	DV4M*304	ZKJM	30-SEP-96	8000	UGL	66.7
ABB-ES		1602	TSS	Z4M-96-19X	MXZ419X1	DV4M*510	ZKJM	30-SEP-96	4000	UGL	66.7
ABB-ES		4181	TPHC	57M-96-11X	MD5711X1	DV4M*305	ZKEO	02-OCT-96	169000	UGL	1.2
ABB-ES		4181	TPHC	57M-96-11X	MX5711X1	DV4M*535	ZKEO	02-OCT-96	167000	UGL	1.2
ABB-ES		4181	TPHC	Z4M-96-19X	MDZ419X1	DV4M*510	ZKEO	30-SEP-96	174000	UGL	2.3
ABB-ES		4181	TPHC	Z4M-96-19X	MXZ419X1	DV4M*304	ZKEO	30-SEP-96	170000	UGL	2.3
ABB-ES		8015	DIESEL	57B-96-11X	BD571110	DV4S*529	QEIV	03-SEP-96	7.98	UGG	.0
ABB-ES		8015	DIESEL	57B-96-11X	BD571110	DV4S*539	QEIV	03-SEP-96	7.98	UGG	.0
ABB-ES		8015	TPHVG	57B-96-11X	BD571110	DV4S*539	QEIV	03-SEP-96	8	UGG	.0
ABB-ES		8015	TPHVG	57B-96-11X	BD571110	DV4S*529	QEIV	03-SEP-96	8	UGG	.0
ABB-ES		8015	TPHGAS	57B-96-11X	BD571110	DV4S*539	QEIV	03-SEP-96	8	UGG	.0
ABB-ES		8015	TPHGAS	57B-96-11X	BD571110	DV4S*529	QEIV	03-SEP-96	8	UGG	.0
ABB-ES		8015	TPHMO	57B-96-11X	BD571110	DV4S*529	QEIV	03-SEP-96	50	UGG	.0
ABB-ES		8015	TPHMO	57B-96-11X	BD571110	DV4S*539	QEIV	03-SEP-96	50	UGG	.0
ABB-ES		9071	TPHC	57B-96-11X	BD571110	DV4S*539	ZENO	03-SEP-96	35.4	UGG	24.1
ABB-ES		9071	TPHC	57B-96-11X	BD571110	DV4S*529	ZENO	03-SEP-96	27.8	UGG	24.1
ABB-ES		9071	TPHC	Z4B-96-03X	BDZ40306	DV4S*500	ZELO	23-AUG-96	57.5	UGG	93.4
ABB-ES		9071	TPHC	Z4B-96-03X	BDZ40306	DV4S*538	ZELO	23-AUG-96	20.9	UGG	93.4

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Table: D-18
FIELD DUPLICATE RESULTS
FT. DEVENS DV4 1996

Contractor	Method	Test Name	IRDMIS			Lab Number	Lot	Sample Date	Analysis Date	Value	Unit	RPD
			IRDMIS Code	IRDMIS Site ID	Field Sample Number							
ABB-ES	JB01	HG		578-96-11X	BX571110	DV4S*529	QHDH	03-SEP-96	15-SEP-96	.05	UGG	.0
ABB-ES	JB01	HG		578-96-11X	BD571110	DV4S*539	QHDH	03-SEP-96	15-SEP-96	.05	UGG	.0
ABB-ES	JD15	SE		578-96-11X	BX571110	DV4S*529	MBGG	03-SEP-96	24-SEP-96	.25	UGG	.0
ABB-ES	JD15	SE		578-96-11X	BD571110	DV4S*539	MBGG	03-SEP-96	24-SEP-96	.25	UGG	.0
ABB-ES	JD17	PB		578-96-11X	BX571110	DV4S*529	QBBG	03-SEP-96	24-SEP-96	2.05	UGG	7.1
ABB-ES	JD17	PB		578-96-11X	BD571110	DV4S*539	QBBG	03-SEP-96	24-SEP-96	1.91	UGG	7.1
ABB-ES	JD19	AS		578-96-11X	BD571110	DV4S*539	QBLG	03-SEP-96	25-SEP-96	5.17	UGG	7.4
ABB-ES	JD19	AS		578-96-11X	BX571110	DV4S*529	QBLG	03-SEP-96	25-SEP-96	4.8	UGG	7.4
ABB-ES	JD24	TL		578-96-11X	BX571110	DV4S*529	RBSB	03-SEP-96	24-SEP-96	.5	UGG	.0
ABB-ES	JD24	TL		578-96-11X	BD571110	DV4S*539	RBSB	03-SEP-96	24-SEP-96	.5	UGG	.0
ABB-ES	JD25	SB		578-96-11X	BX571110	DV4S*529	SBXB	03-SEP-96	23-SEP-96	1.09	UGG	.0
ABB-ES	JD25	SB		578-96-11X	BD571110	DV4S*539	SBXB	03-SEP-96	23-SEP-96	1.09	UGG	.0
ABB-ES	JS16	AG		578-96-11X	BX571110	DV4S*529	UBNI	03-SEP-96	26-SEP-96	.589	UGG	.0
ABB-ES	JS16	AG		578-96-11X	BD571110	DV4S*539	UBNI	03-SEP-96	26-SEP-96	.589	UGG	.0
ABB-ES	JS16	AL		578-96-11X	BX571110	DV4S*529	UBNI	03-SEP-96	26-SEP-96	3940	UGG	15.6
ABB-ES	JS16	AL		578-96-11X	BD571110	DV4S*539	UBNI	03-SEP-96	26-SEP-96	3370	UGG	15.6
ABB-ES	JS16	BA		578-96-11X	BX571110	DV4S*529	UBNI	03-SEP-96	26-SEP-96	15.5	UGG	16.0
ABB-ES	JS16	BA		578-96-11X	BD571110	DV4S*539	UBNI	03-SEP-96	26-SEP-96	13.2	UGG	16.0

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Table: D-18
FIELD DUPLICATE RESULTS
FT. DEVENS DV4 1996

Contractor		Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value Unit	RPD
ABB-ES	ABB-ES	METALS/SOIL/ICP	JS16	BE	578-96-11X	BX571110	DV4S*529	UBNI	03-SEP-96	26-SEP-96	.5 UGG	.0
ABB-ES	ABB-ES	METALS/SOIL/ICP	JS16	BE	578-96-11X	BD571110	DV4S*539	UBNI	03-SEP-96	26-SEP-96	.5 UGG	.0
ABB-ES	ABB-ES	METALS/SOIL/ICP	JS16	CA	578-96-11X	BD571110	DV4S*539	UBNI	03-SEP-96	26-SEP-96	1380 UGG	78.5
ABB-ES	ABB-ES	METALS/SOIL/ICP	JS16	CA	578-96-11X	BX571110	DV4S*529	UBNI	03-SEP-96	26-SEP-96	602 UGG	78.5
ABB-ES	ABB-ES	METALS/SOIL/ICP	JS16	CD	578-96-11X	BX571110	DV4S*529	UBNI	03-SEP-96	26-SEP-96	.7 UGG	.0
ABB-ES	ABB-ES	METALS/SOIL/ICP	JS16	CD	578-96-11X	BD571110	DV4S*539	UBNI	03-SEP-96	26-SEP-96	.7 UGG	.0
ABB-ES	ABB-ES	METALS/SOIL/ICP	JS16	CO	578-96-11X	BX571110	DV4S*529	UBNI	03-SEP-96	26-SEP-96	1.97 UGG	32.4
ABB-ES	ABB-ES	METALS/SOIL/ICP	JS16	CO	578-96-11X	BD571110	DV4S*539	UBNI	03-SEP-96	26-SEP-96	1.42 UGG	32.4
ABB-ES	ABB-ES	METALS/SOIL/ICP	JS16	CR	578-96-11X	BX571110	DV4S*529	UBNI	03-SEP-96	26-SEP-96	6.04 UGG	39.4
ABB-ES	ABB-ES	METALS/SOIL/ICP	JS16	CR	578-96-11X	BD571110	DV4S*539	UBNI	03-SEP-96	26-SEP-96	4.05 UGG	39.4
ABB-ES	ABB-ES	METALS/SOIL/ICP	JS16	CU	578-96-11X	BD571110	DV4S*539	UBNI	03-SEP-96	26-SEP-96	4.97 UGG	15.4
ABB-ES	ABB-ES	METALS/SOIL/ICP	JS16	CU	578-96-11X	BX571110	DV4S*529	UBNI	03-SEP-96	26-SEP-96	4.26 UGG	15.4
ABB-ES	ABB-ES	METALS/SOIL/ICP	JS16	FE	578-96-11X	BD571110	DV4S*539	UBNI	03-SEP-96	26-SEP-96	5010 UGG	4.5
ABB-ES	ABB-ES	METALS/SOIL/ICP	JS16	FE	578-96-11X	BX571110	DV4S*529	UBNI	03-SEP-96	26-SEP-96	4790 UGG	4.5
ABB-ES	ABB-ES	METALS/SOIL/ICP	JS16	K	578-96-11X	BX571110	DV4S*529	UBNI	03-SEP-96	26-SEP-96	742 UGG	24.2
ABB-ES	ABB-ES	METALS/SOIL/ICP	JS16	K	578-96-11X	BD571110	DV4S*539	UBNI	03-SEP-96	26-SEP-96	582 UGG	24.2
ABB-ES	ABB-ES	METALS/SOIL/ICP	JS16	MG	578-96-11X	BX571110	DV4S*529	UBNI	03-SEP-96	26-SEP-96	1190 UGG	18.4
ABB-ES	ABB-ES	METALS/SOIL/ICP	JS16	MG	578-96-11X	BD571110	DV4S*539	UBNI	03-SEP-96	26-SEP-96	989 UGG	18.4
ABB-ES	ABB-ES	METALS/SOIL/ICP	JS16	MN	578-96-11X	BX571110	DV4S*529	UBNI	03-SEP-96	26-SEP-96	57.8 UGG	3.0
ABB-ES	ABB-ES	METALS/SOIL/ICP	JS16	MN	578-96-11X	BD571110	DV4S*539	UBNI	03-SEP-96	26-SEP-96	56.1 UGG	3.0
ABB-ES	ABB-ES	METALS/SOIL/ICP	JS16	NA	578-96-11X	BX571110	DV4S*529	UBNI	03-SEP-96	26-SEP-96	542 UGG	1.3
ABB-ES	ABB-ES	METALS/SOIL/ICP	JS16	NA	578-96-11X	BD571110	DV4S*539	UBNI	03-SEP-96	26-SEP-96	535 UGG	1.3
ABB-ES	ABB-ES	METALS/SOIL/ICP	JS16	NI	578-96-11X	BX571110	DV4S*529	UBNI	03-SEP-96	26-SEP-96	6.99 UGG	7.4
ABB-ES	ABB-ES	METALS/SOIL/ICP	JS16	NI	578-96-11X	BD571110	DV4S*539	UBNI	03-SEP-96	26-SEP-96	6.49 UGG	7.4

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Table: D-18
FIELD DUPLICATE RESULTS
FT. DEVENS DV4 1996

Contractor		Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value	Unit	RPD
ABB-ES	ABB-ES	METALS/SOIL/ICP	JS16	V	578-96-11X	BX571110	DV4S*529	UBNI	03-SEP-96	26-SEP-96	6.34	UGG	13.3
ABB-ES	ABB-ES	METALS/SOIL/ICP	JS16	V	578-96-11X	BD571110	DV4S*539	UBNI	03-SEP-96	26-SEP-96	5.55	UGG	13.3
ABB-ES	ABB-ES	METALS/SOIL/ICP	JS16	ZN	578-96-11X	BX571110	DV4S*529	UBNI	03-SEP-96	26-SEP-96	16	UGG	7.1
ABB-ES	ABB-ES	METALS/SOIL/ICP	JS16	ZN	578-96-11X	BD571110	DV4S*539	UBNI	03-SEP-96	26-SEP-96	14.9	UGG	7.1
ABB-ES	ABB-ES	PESTICIDES/SOIL/GCEC	LH10	ABHC	578-96-11X	BX571110	DV4S*529	UFRF	03-SEP-96	11-OCT-96	.00907	UGG	.0
ABB-ES	ABB-ES	PESTICIDES/SOIL/GCEC	LH10	ABHC	578-96-11X	BD571110	DV4S*539	UFRF	03-SEP-96	11-OCT-96	.00907	UGG	.0
ABB-ES	ABB-ES	PESTICIDES/SOIL/GCEC	LH10	ACLDAN	578-96-11X	BD571110	DV4S*539	UFRF	03-SEP-96	11-OCT-96	.005	UGG	.0
ABB-ES	ABB-ES	PESTICIDES/SOIL/GCEC	LH10	ACLDAN	578-96-11X	BX571110	DV4S*529	UFRF	03-SEP-96	11-OCT-96	.005	UGG	.0
ABB-ES	ABB-ES	PESTICIDES/SOIL/GCEC	LH10	AENSLF	578-96-11X	BD571110	DV4S*539	UFRF	03-SEP-96	11-OCT-96	.00602	UGG	.0
ABB-ES	ABB-ES	PESTICIDES/SOIL/GCEC	LH10	AENSLF	578-96-11X	BX571110	DV4S*529	UFRF	03-SEP-96	11-OCT-96	.00602	UGG	.0
ABB-ES	ABB-ES	PESTICIDES/SOIL/GCEC	LH10	ALDRN	578-96-11X	BX571110	DV4S*529	UFRF	03-SEP-96	11-OCT-96	.00729	UGG	.0
ABB-ES	ABB-ES	PESTICIDES/SOIL/GCEC	LH10	ALDRN	578-96-11X	BD571110	DV4S*539	UFRF	03-SEP-96	11-OCT-96	.00729	UGG	.0
ABB-ES	ABB-ES	PESTICIDES/SOIL/GCEC	LH10	BBHC	578-96-11X	BD571110	DV4S*529	UFRF	03-SEP-96	11-OCT-96	.00257	UGG	.0
ABB-ES	ABB-ES	PESTICIDES/SOIL/GCEC	LH10	BBHC	578-96-11X	BX571110	DV4S*539	UFRF	03-SEP-96	11-OCT-96	.00257	UGG	.0
ABB-ES	ABB-ES	PESTICIDES/SOIL/GCEC	LH10	BENSLF	578-96-11X	BD571110	DV4S*529	UFRF	03-SEP-96	11-OCT-96	.00663	UGG	.0
ABB-ES	ABB-ES	PESTICIDES/SOIL/GCEC	LH10	BENSLF	578-96-11X	BX571110	DV4S*539	UFRF	03-SEP-96	11-OCT-96	.00663	UGG	.0
ABB-ES	ABB-ES	PESTICIDES/SOIL/GCEC	LH10	DBHC	578-96-11X	BD571110	DV4S*529	UFRF	03-SEP-96	11-OCT-96	.00555	UGG	.0
ABB-ES	ABB-ES	PESTICIDES/SOIL/GCEC	LH10	DBHC	578-96-11X	BX571110	DV4S*539	UFRF	03-SEP-96	11-OCT-96	.00555	UGG	.0
ABB-ES	ABB-ES	PESTICIDES/SOIL/GCEC	LH10	DLDRN	578-96-11X	BD571110	DV4S*529	UFRF	03-SEP-96	11-OCT-96	.00629	UGG	.0
ABB-ES	ABB-ES	PESTICIDES/SOIL/GCEC	LH10	DLDRN	578-96-11X	BX571110	DV4S*539	UFRF	03-SEP-96	11-OCT-96	.00629	UGG	.0
ABB-ES	ABB-ES	PESTICIDES/SOIL/GCEC	LH10	ENDRN	578-96-11X	BD571110	DV4S*529	UFRF	03-SEP-96	11-OCT-96	.00657	UGG	.0
ABB-ES	ABB-ES	PESTICIDES/SOIL/GCEC	LH10	ENDRN	578-96-11X	BX571110	DV4S*539	UFRF	03-SEP-96	11-OCT-96	.00657	UGG	.0

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Table: D-18
FIELD DUPLICATE RESULTS
FT. DEVENS DV4 1996

Contractor		Method	Test	IRDMIS	Field	Lab	Lot	Sample	Analysis	Value	Unit	RPD
Method Description		Code	Name	Site ID	Sample Number	Number		Date	Date			
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	ENDRNA	578-96-11X	BD571110	DV4S*539	UFRF	03-SEP-96	11-OCT-96	<	.024 UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	ENDRNA	578-96-11X	BX571110	DV4S*529	UFRF	03-SEP-96	11-OCT-96	<	.024 UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	ENDRNK	578-96-11X	BD571110	DV4S*539	UFRF	03-SEP-96	11-OCT-96	<	.024 UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	ENDRNK	578-96-11X	BX571110	DV4S*529	UFRF	03-SEP-96	11-OCT-96	<	.024 UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	ESFS04	578-96-11X	BD571110	DV4S*539	UFRF	03-SEP-96	11-OCT-96	<	.00763 UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	ESFS04	578-96-11X	BX571110	DV4S*529	UFRF	03-SEP-96	11-OCT-96	<	.00763 UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	GCLDAN	578-96-11X	BD571110	DV4S*539	UFRF	03-SEP-96	11-OCT-96	<	.005 UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	GCLDAN	578-96-11X	BX571110	DV4S*529	UFRF	03-SEP-96	11-OCT-96	<	.005 UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	HPCL	578-96-11X	BD571110	DV4S*539	UFRF	03-SEP-96	11-OCT-96	<	.00618 UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	HPCL	578-96-11X	BX571110	DV4S*529	UFRF	03-SEP-96	11-OCT-96	<	.00618 UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	HPCLE	578-96-11X	BD571110	DV4S*539	UFRF	03-SEP-96	11-OCT-96	<	.0062 UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	HPCLE	578-96-11X	BX571110	DV4S*529	UFRF	03-SEP-96	11-OCT-96	<	.0062 UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	ISDDR	578-96-11X	BD571110	DV4S*539	UFRF	03-SEP-96	11-OCT-96	<	.00461 UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	ISDDR	578-96-11X	BX571110	DV4S*529	UFRF	03-SEP-96	11-OCT-96	<	.00461 UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	LIN	578-96-11X	BD571110	DV4S*539	UFRF	03-SEP-96	11-OCT-96	<	.00638 UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	LIN	578-96-11X	BX571110	DV4S*529	UFRF	03-SEP-96	11-OCT-96	<	.00638 UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	MEXCLR	578-96-11X	BD571110	DV4S*539	UFRF	03-SEP-96	11-OCT-96	<	.0711 UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	MEXCLR	578-96-11X	BX571110	DV4S*529	UFRF	03-SEP-96	11-OCT-96	<	.0711 UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	PPDD	578-96-11X	BD571110	DV4S*539	UFRF	03-SEP-96	11-OCT-96	<	.00826 UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	PPDD	578-96-11X	BX571110	DV4S*529	UFRF	03-SEP-96	11-OCT-96	<	.00826 UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	PPDE	578-96-11X	BD571110	DV4S*539	UFRF	03-SEP-96	11-OCT-96	<	.00765 UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	PPDE	578-96-11X	BX571110	DV4S*529	UFRF	03-SEP-96	11-OCT-96	<	.00765 UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	PPDOT	578-96-11X	BD571110	DV4S*539	UFRF	03-SEP-96	11-OCT-96	<	.00707 UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	PPDOT	578-96-11X	BX571110	DV4S*529	UFRF	03-SEP-96	11-OCT-96	<	.00707 UGG	.0

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Table: D-18
FIELD DUPLICATE RESULTS
FT. DEVENS DV4 1996

Contractor	Method Description	IRDMIS		Test Name	IRDMIS		Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value	Unit	RPD
		IRDMIS Method Code	IRDMIS Site ID		IRDMIS Site ID	IRDMIS Sample Number								
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	578-96-11X	TXPHEN	578-96-11X	BD571110	DV4S*539	UFRF	03-SEP-96	11-OCT-96	<	.444	UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	578-96-11X	TXPHEN	578-96-11X	BD571110	DV4S*529	UFRF	03-SEP-96	11-OCT-96	<	.444	UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	578-96-11X	PCB016	578-96-11X	BD571110	DV4S*529	NGKH	03-SEP-96	10-OCT-96	<	.0666	UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	578-96-11X	PCB016	578-96-11X	BD571110	DV4S*539	NGKH	03-SEP-96	10-OCT-96	<	.0666	UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	578-96-11X	PCB221	578-96-11X	BD571110	DV4S*539	NGKH	03-SEP-96	10-OCT-96	<	.082	UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	578-96-11X	PCB221	578-96-11X	BD571110	DV4S*529	NGKH	03-SEP-96	10-OCT-96	<	.082	UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	578-96-11X	PCB232	578-96-11X	BD571110	DV4S*529	NGKH	03-SEP-96	10-OCT-96	<	.082	UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	578-96-11X	PCB232	578-96-11X	BD571110	DV4S*539	NGKH	03-SEP-96	10-OCT-96	<	.082	UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	578-96-11X	PCB242	578-96-11X	BD571110	DV4S*539	NGKH	03-SEP-96	10-OCT-96	<	.082	UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	578-96-11X	PCB242	578-96-11X	BD571110	DV4S*529	NGKH	03-SEP-96	10-OCT-96	<	.082	UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	578-96-11X	PCB248	578-96-11X	BD571110	DV4S*539	NGKH	03-SEP-96	10-OCT-96	<	.082	UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	578-96-11X	PCB248	578-96-11X	BD571110	DV4S*529	NGKH	03-SEP-96	10-OCT-96	<	.082	UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	578-96-11X	PCB254	578-96-11X	BD571110	DV4S*539	NGKH	03-SEP-96	10-OCT-96	<	.082	UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	578-96-11X	PCB254	578-96-11X	BD571110	DV4S*529	NGKH	03-SEP-96	10-OCT-96	<	.082	UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	578-96-11X	PCB260	578-96-11X	BD571110	DV4S*539	NGKH	03-SEP-96	10-OCT-96	<	.0804	UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	578-96-11X	PCB260	578-96-11X	BD571110	DV4S*529	NGKH	03-SEP-96	10-OCT-96	<	.0804	UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	578-96-11X	124TCB	578-96-11X	BD571110	DV4S*529	CEXK	03-SEP-96	23-SEP-96	<	.04	UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	578-96-11X	124TCB	578-96-11X	BD571110	DV4S*539	CEXK	03-SEP-96	23-SEP-96	<	.04	UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	578-96-11X	120CLB	578-96-11X	BD571110	DV4S*539	CEXK	03-SEP-96	23-SEP-96	<	.11	UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	578-96-11X	120CLB	578-96-11X	BD571110	DV4S*529	CEXK	03-SEP-96	23-SEP-96	<	.11	UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	578-96-11X	130CLB	578-96-11X	BD571110	DV4S*539	CEXK	03-SEP-96	23-SEP-96	<	.13	UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	578-96-11X	130CLB	578-96-11X	BD571110	DV4S*529	CEXK	03-SEP-96	23-SEP-96	<	.13	UGG	.0

Appendix D-3
Table: D-18
FIELD DUPLICATE RESULTS
FT. DEVENS DV4 1996

Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Field				Lab Number	Sample Date	Analysis Date	Value	Unit	RPD
				IRDMIS Site ID	Sample Number	Lot	<						
ABB-ES	ORGANICS/SOIL/GCMS	LM18	14DCLB	578-96-11X	BX571110	DV4S*529	OEKK	03-SEP-96	23-SEP-96	<	.098	UGG	.0
	ORGANICS/SOIL/GCMS	LM18	14DCLB	578-96-11X	BD571110	DV4S*539	OEKK	03-SEP-96	23-SEP-96	<	.098	UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	245TCP	578-96-11X	BX571110	DV4S*529	OEKK	03-SEP-96	23-SEP-96	<	.1	UGG	.0
	ORGANICS/SOIL/GCMS	LM18	245TCP	578-96-11X	BD571110	DV4S*539	OEKK	03-SEP-96	23-SEP-96	<	.1	UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	246TCP	578-96-11X	BX571110	DV4S*529	OEKK	03-SEP-96	23-SEP-96	<	.17	UGG	.0
	ORGANICS/SOIL/GCMS	LM18	246TCP	578-96-11X	BD571110	DV4S*539	OEKK	03-SEP-96	23-SEP-96	<	.17	UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	24DCLP	578-96-11X	BD571110	DV4S*539	OEKK	03-SEP-96	23-SEP-96	<	.18	UGG	.0
	ORGANICS/SOIL/GCMS	LM18	24DCLP	578-96-11X	BX571110	DV4S*529	OEKK	03-SEP-96	23-SEP-96	<	.18	UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	24DMPN	578-96-11X	BD571110	DV4S*539	OEKK	03-SEP-96	23-SEP-96	<	.69	UGG	.0
	ORGANICS/SOIL/GCMS	LM18	24DMPN	578-96-11X	BX571110	DV4S*529	OEKK	03-SEP-96	23-SEP-96	<	.69	UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	24DNP	578-96-11X	BD571110	DV4S*539	OEKK	03-SEP-96	23-SEP-96	<	1.2	UGG	.0
	ORGANICS/SOIL/GCMS	LM18	24DNP	578-96-11X	BX571110	DV4S*529	OEKK	03-SEP-96	23-SEP-96	<	1.2	UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	24DNT	578-96-11X	BD571110	DV4S*539	OEKK	03-SEP-96	23-SEP-96	<	.14	UGG	.0
	ORGANICS/SOIL/GCMS	LM18	24DNT	578-96-11X	BX571110	DV4S*529	OEKK	03-SEP-96	23-SEP-96	<	.14	UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	26DNT	578-96-11X	BD571110	DV4S*539	OEKK	03-SEP-96	23-SEP-96	<	.085	UGG	.0
	ORGANICS/SOIL/GCMS	LM18	26DNT	578-96-11X	BX571110	DV4S*529	OEKK	03-SEP-96	23-SEP-96	<	.085	UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	2CLP	578-96-11X	BD571110	DV4S*539	OEKK	03-SEP-96	23-SEP-96	<	.06	UGG	.0
	ORGANICS/SOIL/GCMS	LM18	2CLP	578-96-11X	BX571110	DV4S*529	OEKK	03-SEP-96	23-SEP-96	<	.06	UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	2CNAP	578-96-11X	BD571110	DV4S*539	OEKK	03-SEP-96	23-SEP-96	<	.036	UGG	.0
	ORGANICS/SOIL/GCMS	LM18	2CNAP	578-96-11X	BX571110	DV4S*529	OEKK	03-SEP-96	23-SEP-96	<	.036	UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	2MNAF	578-96-11X	BD571110	DV4S*539	OEKK	03-SEP-96	23-SEP-96	<	.049	UGG	.0
	ORGANICS/SOIL/GCMS	LM18	2MNAF	578-96-11X	BX571110	DV4S*529	OEKK	03-SEP-96	23-SEP-96	<	.049	UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	2MP	578-96-11X	BD571110	DV4S*539	OEKK	03-SEP-96	23-SEP-96	<	.029	UGG	.0

Appendix D-3
Table: D-18
FIELD DUPLICATE RESULTS
FT. DEVENS DV4 1996

Contractor	Method Description	IRDMIS		Test Name	IRDMIS		Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value Unit	RPD
		Method Code	Site ID		Site ID	Sample Number							
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57B-96-11X	2MP	57B-96-11X	BX571110	DV4S*529	OEKX	03-SEP-96	23-SEP-96	<	.029 UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57B-96-11X	2NANIL	57B-96-11X	BD571110	DV4S*539	OEKX	03-SEP-96	23-SEP-96	<	.062 UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57B-96-11X	2NANIL	57B-96-11X	BX571110	DV4S*529	OEKX	03-SEP-96	23-SEP-96	<	.062 UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57B-96-11X	2NP	57B-96-11X	BD571110	DV4S*539	OEKX	03-SEP-96	23-SEP-96	<	.14 UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57B-96-11X	2NP	57B-96-11X	BX571110	DV4S*529	OEKX	03-SEP-96	23-SEP-96	<	.14 UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57B-96-11X	33DCBD	57B-96-11X	BD571110	DV4S*539	OEKX	03-SEP-96	23-SEP-96	<	6.3 UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57B-96-11X	33DCBD	57B-96-11X	BX571110	DV4S*529	OEKX	03-SEP-96	23-SEP-96	<	6.3 UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57B-96-11X	3NANIL	57B-96-11X	BD571110	DV4S*539	OEKX	03-SEP-96	23-SEP-96	<	.45 UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57B-96-11X	3NANIL	57B-96-11X	BX571110	DV4S*529	OEKX	03-SEP-96	23-SEP-96	<	.45 UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57B-96-11X	46DN2C	57B-96-11X	BD571110	DV4S*539	OEKX	03-SEP-96	23-SEP-96	<	.55 UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57B-96-11X	46DN2C	57B-96-11X	BX571110	DV4S*529	OEKX	03-SEP-96	23-SEP-96	<	.55 UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57B-96-11X	4BRPPE	57B-96-11X	BD571110	DV4S*539	OEKX	03-SEP-96	23-SEP-96	<	.033 UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57B-96-11X	4BRPPE	57B-96-11X	BX571110	DV4S*529	OEKX	03-SEP-96	23-SEP-96	<	.033 UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57B-96-11X	4CANIL	57B-96-11X	BD571110	DV4S*539	OEKX	03-SEP-96	23-SEP-96	<	.81 UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57B-96-11X	4CANIL	57B-96-11X	BX571110	DV4S*529	OEKX	03-SEP-96	23-SEP-96	<	.81 UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57B-96-11X	4CL3C	57B-96-11X	BD571110	DV4S*539	OEKX	03-SEP-96	23-SEP-96	<	.095 UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57B-96-11X	4CL3C	57B-96-11X	BX571110	DV4S*529	OEKX	03-SEP-96	23-SEP-96	<	.095 UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57B-96-11X	4CLPPE	57B-96-11X	BD571110	DV4S*539	OEKX	03-SEP-96	23-SEP-96	<	.033 UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57B-96-11X	4CLPPE	57B-96-11X	BX571110	DV4S*529	OEKX	03-SEP-96	23-SEP-96	<	.033 UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57B-96-11X	4MP	57B-96-11X	BD571110	DV4S*539	OEKX	03-SEP-96	23-SEP-96	<	.24 UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57B-96-11X	4MP	57B-96-11X	BX571110	DV4S*529	OEKX	03-SEP-96	23-SEP-96	<	.24 UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57B-96-11X	4NANIL	57B-96-11X	BD571110	DV4S*539	OEKX	03-SEP-96	23-SEP-96	<	.41 UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57B-96-11X	4NANIL	57B-96-11X	BX571110	DV4S*529	OEKX	03-SEP-96	23-SEP-96	<	.41 UGG	.0

Appendix D-3
Table: D-18
FIELD DUPLICATE RESULTS
FT. DEVENS DV4 1996

Contractor		Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value	Unit	RPD
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	4NP	57B-96-11X	BD571110	DV4S*539	OEKK	03-SEP-96	23-SEP-96	<	1.4 UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	4NP	57B-96-11X	BD571110	DV4S*529	OEKK	03-SEP-96	23-SEP-96	<	1.4 UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	ANAPNE	57B-96-11X	BD571110	DV4S*539	OEKK	03-SEP-96	23-SEP-96	<	.036 UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	ANAPNE	57B-96-11X	BD571110	DV4S*529	OEKK	03-SEP-96	23-SEP-96	<	.036 UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	ANAPYL	57B-96-11X	BD571110	DV4S*539	OEKK	03-SEP-96	23-SEP-96	<	.033 UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	ANAPYL	57B-96-11X	BD571110	DV4S*529	OEKK	03-SEP-96	23-SEP-96	<	.033 UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	ANTRC	57B-96-11X	BD571110	DV4S*539	OEKK	03-SEP-96	23-SEP-96	<	.033 UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	ANTRC	57B-96-11X	BD571110	DV4S*529	OEKK	03-SEP-96	23-SEP-96	<	.033 UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	B2CEXM	57B-96-11X	BD571110	DV4S*539	OEKK	03-SEP-96	23-SEP-96	<	.059 UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	B2CEXM	57B-96-11X	BD571110	DV4S*529	OEKK	03-SEP-96	23-SEP-96	<	.059 UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	B2CIPE	57B-96-11X	BD571110	DV4S*539	OEKK	03-SEP-96	23-SEP-96	<	.2 UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	B2CIPE	57B-96-11X	BD571110	DV4S*529	OEKK	03-SEP-96	23-SEP-96	<	.2 UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	B2CLEE	57B-96-11X	BD571110	DV4S*539	OEKK	03-SEP-96	23-SEP-96	<	.033 UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	B2CLEE	57B-96-11X	BD571110	DV4S*529	OEKK	03-SEP-96	23-SEP-96	<	.033 UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	B2EHP	57B-96-11X	BD571110	DV4S*539	OEKK	03-SEP-96	23-SEP-96	<	.62 UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	B2EHP	57B-96-11X	BD571110	DV4S*529	OEKK	03-SEP-96	23-SEP-96	<	.62 UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	BAANTR	57B-96-11X	BD571110	DV4S*539	OEKK	03-SEP-96	23-SEP-96	<	.17 UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	BAANTR	57B-96-11X	BD571110	DV4S*529	OEKK	03-SEP-96	23-SEP-96	<	.17 UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	BAPYR	57B-96-11X	BD571110	DV4S*539	OEKK	03-SEP-96	23-SEP-96	<	.25 UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	BAPYR	57B-96-11X	BD571110	DV4S*529	OEKK	03-SEP-96	23-SEP-96	<	.25 UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	BBFANT	57B-96-11X	BD571110	DV4S*539	OEKK	03-SEP-96	23-SEP-96	<	.21 UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	BBFANT	57B-96-11X	BD571110	DV4S*529	OEKK	03-SEP-96	23-SEP-96	<	.21 UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	BBZP	57B-96-11X	BD571110	DV4S*539	OEKK	03-SEP-96	23-SEP-96	<	.17 UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	BBZP	57B-96-11X	BD571110	DV4S*529	OEKK	03-SEP-96	23-SEP-96	<	.17 UGG	.0

Appendix D-3
Table: D-18
FIELD DUPLICATE RESULTS
FT. DEVENS DV4 1996

Contractor		Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value	Unit	RPD
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	BGHPY	578-96-11X	BD571110	DV4S*539	CEXK	03-SEP-96	23-SEP-96	.25	UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	BGHPY	578-96-11X	BX571110	DV4S*529	CEXK	03-SEP-96	23-SEP-96	.25	UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	BKFANT	578-96-11X	BD571110	DV4S*539	CEXK	03-SEP-96	23-SEP-96	.066	UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	BKFANT	578-96-11X	BX571110	DV4S*529	CEXK	03-SEP-96	23-SEP-96	.066	UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	BZALC	578-96-11X	BD571110	DV4S*539	CEXK	03-SEP-96	23-SEP-96	.19	UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	BZALC	578-96-11X	BX571110	DV4S*529	CEXK	03-SEP-96	23-SEP-96	.19	UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	CARBZ	578-96-11X	BD571110	DV4S*539	CEXK	03-SEP-96	23-SEP-96	.14	UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	CARBZ	578-96-11X	BX571110	DV4S*529	CEXK	03-SEP-96	23-SEP-96	.14	UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	CHRY	578-96-11X	BD571110	DV4S*539	CEXK	03-SEP-96	23-SEP-96	.12	UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	CHRY	578-96-11X	BX571110	DV4S*529	CEXK	03-SEP-96	23-SEP-96	.12	UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	CL6BZ	578-96-11X	BD571110	DV4S*539	CEXK	03-SEP-96	23-SEP-96	.033	UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	CL6BZ	578-96-11X	BX571110	DV4S*529	CEXK	03-SEP-96	23-SEP-96	.033	UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	CL6CP	578-96-11X	BD571110	DV4S*539	CEXK	03-SEP-96	23-SEP-96	6.2	UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	CL6CP	578-96-11X	BX571110	DV4S*529	CEXK	03-SEP-96	23-SEP-96	6.2	UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	CL6ET	578-96-11X	BD571110	DV4S*539	CEXK	03-SEP-96	23-SEP-96	.15	UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	CL6ET	578-96-11X	BX571110	DV4S*529	CEXK	03-SEP-96	23-SEP-96	.15	UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	DBAHA	578-96-11X	BD571110	DV4S*539	CEXK	03-SEP-96	23-SEP-96	.21	UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	DBAHA	578-96-11X	BX571110	DV4S*529	CEXK	03-SEP-96	23-SEP-96	.21	UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	DBZFUR	578-96-11X	BD571110	DV4S*539	CEXK	03-SEP-96	23-SEP-96	.035	UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	DBZFUR	578-96-11X	BX571110	DV4S*529	CEXK	03-SEP-96	23-SEP-96	.035	UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	DEP	578-96-11X	BD571110	DV4S*539	CEXK	03-SEP-96	23-SEP-96	.24	UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	DEP	578-96-11X	BX571110	DV4S*529	CEXK	03-SEP-96	23-SEP-96	.24	UGG	.0
ABB-ES	ABB-ES	ORGANICS/SOIL/GCMS	LM18	DMP	578-96-11X	BD571110	DV4S*539	CEXK	03-SEP-96	23-SEP-96	.17	UGG	.0

Appendix D-3
Table: D-18
FIELD DUPLICATE RESULTS
FT. DEVENS DV4 1996

Contractor	Method Code	Test Name	IRDMIS Field			Lab Number	Sample Date	Analysis Date	Value	Unit	RPD
			IRDMIS	Field	Site ID						
ABB-ES	LM18	DMP	578-96-11X	BD571110	578-96-11X	DV4S*529	03-SEP-96	23-SEP-96	.17	UGG	.0
ABB-ES	LM18	DNBP	578-96-11X	BD571110	578-96-11X	DV4S*539	03-SEP-96	23-SEP-96	.061	UGG	.0
ABB-ES	LM18	DNBP	578-96-11X	BD571110	578-96-11X	DV4S*529	03-SEP-96	23-SEP-96	.061	UGG	.0
ABB-ES	LM18	DNOP	578-96-11X	BD571110	578-96-11X	DV4S*539	03-SEP-96	23-SEP-96	.19	UGG	.0
ABB-ES	LM18	DNOP	578-96-11X	BD571110	578-96-11X	DV4S*529	03-SEP-96	23-SEP-96	.19	UGG	.0
ABB-ES	LM18	FANT	578-96-11X	BD571110	578-96-11X	DV4S*539	03-SEP-96	23-SEP-96	.068	UGG	.0
ABB-ES	LM18	FANT	578-96-11X	BD571110	578-96-11X	DV4S*529	03-SEP-96	23-SEP-96	.068	UGG	.0
ABB-ES	LM18	FLRENE	578-96-11X	BD571110	578-96-11X	DV4S*539	03-SEP-96	23-SEP-96	.033	UGG	.0
ABB-ES	LM18	FLRENE	578-96-11X	BD571110	578-96-11X	DV4S*529	03-SEP-96	23-SEP-96	.033	UGG	.0
ABB-ES	LM18	HCBD	578-96-11X	BD571110	578-96-11X	DV4S*539	03-SEP-96	23-SEP-96	.23	UGG	.0
ABB-ES	LM18	HCBD	578-96-11X	BD571110	578-96-11X	DV4S*529	03-SEP-96	23-SEP-96	.23	UGG	.0
ABB-ES	LM18	ICDPYR	578-96-11X	BD571110	578-96-11X	DV4S*539	03-SEP-96	23-SEP-96	.29	UGG	.0
ABB-ES	LM18	ICDPYR	578-96-11X	BD571110	578-96-11X	DV4S*529	03-SEP-96	23-SEP-96	.29	UGG	.0
ABB-ES	LM18	ISOPHR	578-96-11X	BD571110	578-96-11X	DV4S*539	03-SEP-96	23-SEP-96	.033	UGG	.0
ABB-ES	LM18	ISOPHR	578-96-11X	BD571110	578-96-11X	DV4S*529	03-SEP-96	23-SEP-96	.033	UGG	.0
ABB-ES	LM18	NAP	578-96-11X	BD571110	578-96-11X	DV4S*539	03-SEP-96	23-SEP-96	.037	UGG	.0
ABB-ES	LM18	NAP	578-96-11X	BD571110	578-96-11X	DV4S*529	03-SEP-96	23-SEP-96	.037	UGG	.0
ABB-ES	LM18	NB	578-96-11X	BD571110	578-96-11X	DV4S*539	03-SEP-96	23-SEP-96	.045	UGG	.0
ABB-ES	LM18	NB	578-96-11X	BD571110	578-96-11X	DV4S*529	03-SEP-96	23-SEP-96	.045	UGG	.0
ABB-ES	LM18	NNDPA	578-96-11X	BD571110	578-96-11X	DV4S*539	03-SEP-96	23-SEP-96	.2	UGG	.0
ABB-ES	LM18	NNDPA	578-96-11X	BD571110	578-96-11X	DV4S*529	03-SEP-96	23-SEP-96	.2	UGG	.0
ABB-ES	LM18	NNDPA	578-96-11X	BD571110	578-96-11X	DV4S*539	03-SEP-96	23-SEP-96	.19	UGG	.0
ABB-ES	LM18	NNDPA	578-96-11X	BD571110	578-96-11X	DV4S*529	03-SEP-96	23-SEP-96	.19	UGG	.0

Appendix D-3
Table: D-18
FIELD DUPLICATE RESULTS
FT. DEVENS DV4 1996

Contractor	Method Description	IRDMIS Method Code	IRDMIS Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value	Unit	RPD
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PCP	578-96-11X	BD571110	DV4S*539	CEXK	03-SEP-96	23-SEP-96	1.3	UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PCP	578-96-11X	BX571110	DV4S*529	CEXK	03-SEP-96	23-SEP-96	1.3	UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHANTR	578-96-11X	BD571110	DV4S*539	CEXK	03-SEP-96	23-SEP-96	.033	UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHANTR	578-96-11X	BX571110	DV4S*529	CEXK	03-SEP-96	23-SEP-96	.033	UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHENOL	578-96-11X	BD571110	DV4S*539	CEXK	03-SEP-96	23-SEP-96	.11	UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHENOL	578-96-11X	BX571110	DV4S*529	CEXK	03-SEP-96	23-SEP-96	.11	UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PYR	578-96-11X	BD571110	DV4S*539	CEXK	03-SEP-96	23-SEP-96	.033	UGG	.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PYR	578-96-11X	BX571110	DV4S*529	CEXK	03-SEP-96	23-SEP-96	.033	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	111TCE	578-96-11X	BD571110	DV4S*529	YGRK	03-SEP-96	11-SEP-96	.0044	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	111TCE	578-96-11X	BD571110	DV4S*539	YGRK	03-SEP-96	11-SEP-96	.0044	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	112TCE	578-96-11X	BD571110	DV4S*529	YGRK	03-SEP-96	11-SEP-96	.0054	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	112TCE	578-96-11X	BD571110	DV4S*539	YGRK	03-SEP-96	11-SEP-96	.0054	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	11DCE	578-96-11X	BD571110	DV4S*529	YGRK	03-SEP-96	11-SEP-96	.0039	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	11DCE	578-96-11X	BD571110	DV4S*539	YGRK	03-SEP-96	11-SEP-96	.0039	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	11DCE	578-96-11X	BD571110	DV4S*529	YGRK	03-SEP-96	11-SEP-96	.0023	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	11DCE	578-96-11X	BD571110	DV4S*539	YGRK	03-SEP-96	11-SEP-96	.0023	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	12DCE	578-96-11X	BD571110	DV4S*539	YGRK	03-SEP-96	11-SEP-96	.003	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	12DCE	578-96-11X	BD571110	DV4S*529	YGRK	03-SEP-96	11-SEP-96	.003	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	12DCE	578-96-11X	BD571110	DV4S*539	YGRK	03-SEP-96	11-SEP-96	.0017	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	12DCE	578-96-11X	BD571110	DV4S*529	YGRK	03-SEP-96	11-SEP-96	.0017	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	12DCLP	578-96-11X	BD571110	DV4S*539	YGRK	03-SEP-96	11-SEP-96	.0029	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	12DCLP	578-96-11X	BX571110	DV4S*529	YGRK	03-SEP-96	11-SEP-96	.0029	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	ACET	578-96-11X	BD571110	DV4S*539	YGRK	03-SEP-96	11-SEP-96	.017	UGG	.0

Appendix D-3
Table: D-18
FIELD DUPLICATE RESULTS
FT. DEVENS DV4 1996

Contractor		Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value Unit	RPD
ABB-ES	ABB-ES	VOLATILES/SOIL/GCMS	LM19	ACET	57B-96-11X	BD571110	DV4S*529	YGRK	03-SEP-96	11-SEP-96	.017 UGG	.0
ABB-ES	ABB-ES	VOLATILES/SOIL/GCMS	LM19	BRDCLM	57B-96-11X	BD571110	DV4S*539	YGRK	03-SEP-96	11-SEP-96	.0029 UGG	.0
ABB-ES	ABB-ES	VOLATILES/SOIL/GCMS	LM19	BRDCLM	57B-96-11X	BD571110	DV4S*529	YGRK	03-SEP-96	11-SEP-96	.0029 UGG	.0
ABB-ES	ABB-ES	VOLATILES/SOIL/GCMS	LM19	C13DCP	57B-96-11X	BD571110	DV4S*539	YGRK	03-SEP-96	11-SEP-96	.0032 UGG	.0
ABB-ES	ABB-ES	VOLATILES/SOIL/GCMS	LM19	C13DCP	57B-96-11X	BD571110	DV4S*529	YGRK	03-SEP-96	11-SEP-96	.0032 UGG	.0
ABB-ES	ABB-ES	VOLATILES/SOIL/GCMS	LM19	C2AVE	57B-96-11X	BD571110	DV4S*529	YGRK	03-SEP-96	11-SEP-96	.032 UGG	.0
ABB-ES	ABB-ES	VOLATILES/SOIL/GCMS	LM19	C2AVE	57B-96-11X	BD571110	DV4S*539	YGRK	03-SEP-96	11-SEP-96	.032 UGG	.0
ABB-ES	ABB-ES	VOLATILES/SOIL/GCMS	LM19	C2H3CL	57B-96-11X	BD571110	DV4S*539	YGRK	03-SEP-96	11-SEP-96	.0062 UGG	.0
ABB-ES	ABB-ES	VOLATILES/SOIL/GCMS	LM19	C2H3CL	57B-96-11X	BD571110	DV4S*529	YGRK	03-SEP-96	11-SEP-96	.0062 UGG	.0
ABB-ES	ABB-ES	VOLATILES/SOIL/GCMS	LM19	C2H5CL	57B-96-11X	BD571110	DV4S*539	YGRK	03-SEP-96	11-SEP-96	.012 UGG	.0
ABB-ES	ABB-ES	VOLATILES/SOIL/GCMS	LM19	C2H5CL	57B-96-11X	BD571110	DV4S*529	YGRK	03-SEP-96	11-SEP-96	.012 UGG	.0
ABB-ES	ABB-ES	VOLATILES/SOIL/GCMS	LM19	C6H6	57B-96-11X	BD571110	DV4S*539	YGRK	03-SEP-96	11-SEP-96	.0015 UGG	.0
ABB-ES	ABB-ES	VOLATILES/SOIL/GCMS	LM19	C6H6	57B-96-11X	BD571110	DV4S*529	YGRK	03-SEP-96	11-SEP-96	.0015 UGG	.0
ABB-ES	ABB-ES	VOLATILES/SOIL/GCMS	LM19	CCL3F	57B-96-11X	BD571110	DV4S*539	YGRK	03-SEP-96	11-SEP-96	.0059 UGG	.0
ABB-ES	ABB-ES	VOLATILES/SOIL/GCMS	LM19	CCL3F	57B-96-11X	BD571110	DV4S*529	YGRK	03-SEP-96	11-SEP-96	.0059 UGG	.0
ABB-ES	ABB-ES	VOLATILES/SOIL/GCMS	LM19	CCL4	57B-96-11X	BD571110	DV4S*539	YGRK	03-SEP-96	11-SEP-96	.007 UGG	.0
ABB-ES	ABB-ES	VOLATILES/SOIL/GCMS	LM19	CCL4	57B-96-11X	BD571110	DV4S*529	YGRK	03-SEP-96	11-SEP-96	.007 UGG	.0
ABB-ES	ABB-ES	VOLATILES/SOIL/GCMS	LM19	CH2CL2	57B-96-11X	BD571110	DV4S*539	YGRK	03-SEP-96	11-SEP-96	.012 UGG	.0
ABB-ES	ABB-ES	VOLATILES/SOIL/GCMS	LM19	CH2CL2	57B-96-11X	BD571110	DV4S*529	YGRK	03-SEP-96	11-SEP-96	.012 UGG	.0
ABB-ES	ABB-ES	VOLATILES/SOIL/GCMS	LM19	CH3BR	57B-96-11X	BD571110	DV4S*539	YGRK	03-SEP-96	11-SEP-96	.0057 UGG	.0
ABB-ES	ABB-ES	VOLATILES/SOIL/GCMS	LM19	CH3BR	57B-96-11X	BD571110	DV4S*529	YGRK	03-SEP-96	11-SEP-96	.0057 UGG	.0
ABB-ES	ABB-ES	VOLATILES/SOIL/GCMS	LM19	CH3CL	57B-96-11X	BD571110	DV4S*539	YGRK	03-SEP-96	11-SEP-96	.0088 UGG	.0
ABB-ES	ABB-ES	VOLATILES/SOIL/GCMS	LM19	CH3CL	57B-96-11X	BD571110	DV4S*529	YGRK	03-SEP-96	11-SEP-96	.0088 UGG	.0

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Table: D-18
FIELD DUPLICATE RESULTS
FT. DEVENS DV4 1996

Contractor		IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value Unit	RPD
ABB-ES	ABB-ES	LM19	CHBR3	578-96-11X	BD571110	DV4S*539	YGRK	03-SEP-96	11-SEP-96	.0069 UGG	.0
ABB-ES	ABB-ES	LM19	CHBR3	578-96-11X	BX571110	DV4S*529	YGRK	03-SEP-96	11-SEP-96	.0069 UGG	.0
ABB-ES	ABB-ES	LM19	CHCL3	578-96-11X	BD571110	DV4S*539	YGRK	03-SEP-96	11-SEP-96	.00087 UGG	.0
ABB-ES	ABB-ES	LM19	CHCL3	578-96-11X	BX571110	DV4S*529	YGRK	03-SEP-96	11-SEP-96	.00087 UGG	.0
ABB-ES	ABB-ES	LM19	CLC6H5	578-96-11X	BD571110	DV4S*539	YGRK	03-SEP-96	11-SEP-96	.00086 UGG	.0
ABB-ES	ABB-ES	LM19	CLC6H5	578-96-11X	BX571110	DV4S*529	YGRK	03-SEP-96	11-SEP-96	.00086 UGG	.0
ABB-ES	ABB-ES	LM19	CS2	578-96-11X	BD571110	DV4S*539	YGRK	03-SEP-96	11-SEP-96	.0044 UGG	.0
ABB-ES	ABB-ES	LM19	CS2	578-96-11X	BX571110	DV4S*529	YGRK	03-SEP-96	11-SEP-96	.0044 UGG	.0
ABB-ES	ABB-ES	LM19	DBRCLM	578-96-11X	BD571110	DV4S*539	YGRK	03-SEP-96	11-SEP-96	.0031 UGG	.0
ABB-ES	ABB-ES	LM19	DBRCLM	578-96-11X	BX571110	DV4S*529	YGRK	03-SEP-96	11-SEP-96	.0031 UGG	.0
ABB-ES	ABB-ES	LM19	ETC6H5	578-96-11X	BD571110	DV4S*539	YGRK	03-SEP-96	11-SEP-96	.0017 UGG	.0
ABB-ES	ABB-ES	LM19	ETC6H5	578-96-11X	BX571110	DV4S*529	YGRK	03-SEP-96	11-SEP-96	.0017 UGG	.0
ABB-ES	ABB-ES	LM19	MEC6H5	578-96-11X	BD571110	DV4S*539	YGRK	03-SEP-96	11-SEP-96	.0018 UGG	79.1
ABB-ES	ABB-ES	LM19	MEC6H5	578-96-11X	BX571110	DV4S*529	YGRK	03-SEP-96	11-SEP-96	.00078 UGG	79.1
ABB-ES	ABB-ES	LM19	MEK	578-96-11X	BD571110	DV4S*539	YGRK	03-SEP-96	11-SEP-96	.07 UGG	.0
ABB-ES	ABB-ES	LM19	MEK	578-96-11X	BX571110	DV4S*529	YGRK	03-SEP-96	11-SEP-96	.07 UGG	.0
ABB-ES	ABB-ES	LM19	MI6K	578-96-11X	BD571110	DV4S*539	YGRK	03-SEP-96	11-SEP-96	.027 UGG	.0
ABB-ES	ABB-ES	LM19	MI6K	578-96-11X	BX571110	DV4S*529	YGRK	03-SEP-96	11-SEP-96	.027 UGG	.0
ABB-ES	ABB-ES	LM19	MNBK	578-96-11X	BD571110	DV4S*539	YGRK	03-SEP-96	11-SEP-96	.032 UGG	.0
ABB-ES	ABB-ES	LM19	MNBK	578-96-11X	BX571110	DV4S*529	YGRK	03-SEP-96	11-SEP-96	.032 UGG	.0
ABB-ES	ABB-ES	LM19	STYR	578-96-11X	BD571110	DV4S*539	YGRK	03-SEP-96	11-SEP-96	.0026 UGG	.0
ABB-ES	ABB-ES	LM19	STYR	578-96-11X	BX571110	DV4S*529	YGRK	03-SEP-96	11-SEP-96	.0026 UGG	.0
ABB-ES	ABB-ES	LM19	T13DCP	578-96-11X	BD571110	DV4S*539	YGRK	03-SEP-96	11-SEP-96	.0028 UGG	.0
ABB-ES	ABB-ES	LM19	T13DCP	578-96-11X	BX571110	DV4S*529	YGRK	03-SEP-96	11-SEP-96	.0028 UGG	.0

Appendix D-3
Table: D-18
FIELD DUPLICATE RESULTS
FT. DEVENS DV4 1996

Contractor	Method Code	Test Name	IRDMIS			Lab Number	Lot	Sample Date	Analysis Date	Value	Unit	RPD
			IRDMIS Site ID	Field Sample Number	IRDMIS							
ABB-ES	LM19	TCLEA	57B-96-11X	BD571110	DV4S*539	YGRK	03-SEP-96	11-SEP-96	<	.0024	UGG	.0
ABB-ES	LM19	TCLEA	57B-96-11X	BX571110	DV4S*529	YGRK	03-SEP-96	11-SEP-96	<	.0024	UGG	.0
ABB-ES	LM19	TCLEE	57B-96-11X	BD571110	DV4S*539	YGRK	03-SEP-96	11-SEP-96	<	.00081	UGG	.0
ABB-ES	LM19	TCLEE	57B-96-11X	BX571110	DV4S*529	YGRK	03-SEP-96	11-SEP-96	<	.00081	UGG	.0
ABB-ES	LM19	TCLTFE	57B-96-11X	BD571110	DV4S*539	YGRK	03-SEP-96	11-SEP-96	<	.012	UGG	29.7
ABB-ES	LM19	TCLTFE	57B-96-11X	BX571110	DV4S*529	YGRK	03-SEP-96	11-SEP-96	<	.0089	UGG	29.7
ABB-ES	LM19	TRCLE	57B-96-11X	BD571110	DV4S*539	YGRK	03-SEP-96	11-SEP-96	<	.0028	UGG	.0
ABB-ES	LM19	TRCLE	57B-96-11X	BX571110	DV4S*529	YGRK	03-SEP-96	11-SEP-96	<	.0028	UGG	.0
ABB-ES	LM19	XYLEN	57B-96-11X	BD571110	DV4S*539	YGRK	03-SEP-96	11-SEP-96	<	.0015	UGG	.0
ABB-ES	LM19	XYLEN	57B-96-11X	BX571110	DV4S*529	YGRK	03-SEP-96	11-SEP-96	<	.0015	UGG	.0
ABB-ES	S801	HG	57M-96-11X	MD5711X1	DV4M*305	QJRF	02-OCT-96	22-OCT-96	<	.243	UGL	.0
ABB-ES	S801	HG	57M-96-11X	MX5711X1	DV4M*535	QJRF	02-OCT-96	22-OCT-96	<	.243	UGL	.0
ABB-ES	SD09	TL	57M-96-11X	MD5711X1	DV4M*305	UCGG	02-OCT-96	29-OCT-96	<	6.99	UGL	.0
ABB-ES	SD09	TL	57M-96-11X	MX5711X1	DV4M*535	UCGG	02-OCT-96	29-OCT-96	<	6.99	UGL	.0
ABB-ES	SD20	PB	57M-96-11X	MD5711X1	DV4M*305	MCVH	02-OCT-96	29-OCT-96	<	1.26	UGL	.0
ABB-ES	SD20	PB	57M-96-11X	MX5711X1	DV4M*535	MCVH	02-OCT-96	29-OCT-96	<	1.26	UGL	.0
ABB-ES	SD21	SE	57M-96-11X	MD5711X1	DV4M*305	XCLH	02-OCT-96	02-NOV-96	<	3.02	UGL	.0
ABB-ES	SD21	SE	57M-96-11X	MX5711X1	DV4M*535	XCLH	02-OCT-96	02-NOV-96	<	3.02	UGL	.0
ABB-ES	SD22	AS	57M-96-11X	MD5711X1	DV4M*305	YQGH	02-OCT-96	02-NOV-96	<	170	UGL	.0
ABB-ES	SD22	AS	57M-96-11X	MX5711X1	DV4M*535	YQGH	02-OCT-96	02-NOV-96	<	170	UGL	.0

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Table: D-18
FIELD DUPLICATE RESULTS
FT. DEVENS DV4 1996

Contractor	Method	Test Name	IRDMIS		Lab Number	Lot	Sample Date	Analysis Date	Value	Unit	RPD
			IRDMIS Code	Field Sample Number							
ABB-ES	SD28	SB	57M-96-11X	MD5711X1	DV4M*305	NKFF	02-OCT-96	30-OCT-96	3.03	UGL	.0
ABB-ES	SD28	SB	57M-96-11X	WX5711X1	DV4M*535	NKFF	02-OCT-96	30-OCT-96	3.03	UGL	.0
ABB-ES	SS18	AG	57M-96-11X	MD5711X1	DV4M*305	OGDE	02-OCT-96	23-OCT-96	4.42	UGL	.0
ABB-ES	SS18	AG	57M-96-11X	WX5711X1	DV4M*535	OGDE	02-OCT-96	23-OCT-96	4.42	UGL	.0
ABB-ES	SS18	AL	57M-96-11X	MD5711X1	DV4M*305	OGDE	02-OCT-96	23-OCT-96	200	UGL	21.6
ABB-ES	SS18	AL	57M-96-11X	WX5711X1	DV4M*535	OGDE	02-OCT-96	23-OCT-96	161	UGL	21.6
ABB-ES	SS18	BA	57M-96-11X	MD5711X1	DV4M*305	OGDE	02-OCT-96	23-OCT-96	11.6	UGL	5.3
ABB-ES	SS18	BA	57M-96-11X	WX5711X1	DV4M*535	OGDE	02-OCT-96	23-OCT-96	11	UGL	5.3
ABB-ES	SS18	BE	57M-96-11X	MD5711X1	DV4M*305	OGDE	02-OCT-96	23-OCT-96	5	UGL	.0
ABB-ES	SS18	BE	57M-96-11X	WX5711X1	DV4M*535	OGDE	02-OCT-96	23-OCT-96	5	UGL	.0
ABB-ES	SS18	CA	57M-96-11X	MD5711X1	DV4M*305	OGDE	02-OCT-96	23-OCT-96	9730	UGL	4.4
ABB-ES	SS18	CA	57M-96-11X	WX5711X1	DV4M*535	OGDE	02-OCT-96	23-OCT-96	9310	UGL	4.4
ABB-ES	SS18	CD	57M-96-11X	MD5711X1	DV4M*305	OGDE	02-OCT-96	23-OCT-96	3.01	UGL	.0
ABB-ES	SS18	CD	57M-96-11X	WX5711X1	DV4M*535	OGDE	02-OCT-96	23-OCT-96	3.01	UGL	.0
ABB-ES	SS18	CO	57M-96-11X	MD5711X1	DV4M*305	OGDE	02-OCT-96	23-OCT-96	50	UGL	.0
ABB-ES	SS18	CO	57M-96-11X	WX5711X1	DV4M*535	OGDE	02-OCT-96	23-OCT-96	50	UGL	.0
ABB-ES	SS18	CR	57M-96-11X	MD5711X1	DV4M*305	OGDE	02-OCT-96	23-OCT-96	6.96	UGL	.0
ABB-ES	SS18	CR	57M-96-11X	WX5711X1	DV4M*535	OGDE	02-OCT-96	23-OCT-96	6.96	UGL	.0
ABB-ES	SS18	CU	57M-96-11X	MD5711X1	DV4M*305	OGDE	02-OCT-96	23-OCT-96	5	UGL	.0
ABB-ES	SS18	CU	57M-96-11X	WX5711X1	DV4M*535	OGDE	02-OCT-96	23-OCT-96	5	UGL	.0
ABB-ES	SS18	FE	57M-96-11X	MD5711X1	DV4M*305	OGDE	02-OCT-96	23-OCT-96	26500	UGL	2.3
ABB-ES	SS18	FE	57M-96-11X	WX5711X1	DV4M*535	OGDE	02-OCT-96	23-OCT-96	25900	UGL	2.3

Appendix D-3
Table: D-18
FIELD DUPLICATE RESULTS
FT. DEVENS DV4 1996

Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Field		Lab Number	Lot	Sample Date	Analysis Date	<	Value Unit	RPD
				IRDMIS Site ID	Sample Number							
ABB-ES	METALS/WATER/ICP	SS18	K	57M-96-11X	MD5711X1	DV4M*305	Q3DE	02-OCT-96	23-OCT-96		1920 UGL	13.3
	METALS/WATER/ICP	SS18	K	57M-96-11X	MX5711X1	DV4M*535	Q3DE	02-OCT-96	23-OCT-96		1680 UGL	13.3
ABB-ES	METALS/WATER/ICP	SS18	MG	57M-96-11X	MX5711X1	DV4M*535	Q3DE	02-OCT-96	23-OCT-96		1190 UGL	.0
	METALS/WATER/ICP	SS18	MG	57M-96-11X	MD5711X1	DV4M*305	Q3DE	02-OCT-96	23-OCT-96		1190 UGL	.0
ABB-ES	METALS/WATER/ICP	SS18	MN	57M-96-11X	MD5711X1	DV4M*305	Q3DE	02-OCT-96	23-OCT-96		2100 UGL	5.4
	METALS/WATER/ICP	SS18	MN	57M-96-11X	MX5711X1	DV4M*535	Q3DE	02-OCT-96	23-OCT-96		1990 UGL	5.4
ABB-ES	METALS/WATER/ICP	SS18	NA	57M-96-11X	MD5711X1	DV4M*305	Q3DE	02-OCT-96	23-OCT-96		4050 UGL	1.5
	METALS/WATER/ICP	SS18	NA	57M-96-11X	MX5711X1	DV4M*535	Q3DE	02-OCT-96	23-OCT-96		3990 UGL	1.5
ABB-ES	METALS/WATER/ICP	SS18	NI	57M-96-11X	MX5711X1	DV4M*535	Q3DE	02-OCT-96	23-OCT-96	<	7.11 UGL	.0
	METALS/WATER/ICP	SS18	NI	57M-96-11X	MD5711X1	DV4M*305	Q3DE	02-OCT-96	23-OCT-96	<	7.11 UGL	.0
ABB-ES	METALS/WATER/ICP	SS18	V	57M-96-11X	MX5711X1	DV4M*535	Q3DE	02-OCT-96	23-OCT-96	<	4.69 UGL	.0
	METALS/WATER/ICP	SS18	V	57M-96-11X	MD5711X1	DV4M*305	Q3DE	02-OCT-96	23-OCT-96	<	4.69 UGL	.0
ABB-ES	METALS/WATER/ICP	SS18	ZN	57M-96-11X	MX5711X1	DV4M*535	Q3DE	02-OCT-96	23-OCT-96	<	35.8 UGL	.0
	METALS/WATER/ICP	SS18	ZN	57M-96-11X	MD5711X1	DV4M*305	Q3DE	02-OCT-96	23-OCT-96	<	35.8 UGL	.0
ABB-ES	TOTAL NITROGEN/WATER/TECH	TF26	N2KJEL	57M-96-11X	MX5711X1	DV4M*535	SHOB	02-OCT-96	28-OCT-96		448 UGL	13.8
	TOTAL NITROGEN/WATER/TECH	TF26	N2KJEL	57M-96-11X	MD5711X1	DV4M*305	SHOB	02-OCT-96	28-OCT-96		390 UGL	13.8
	TOTAL NITROGEN/WATER/TECH	TF26	N2KJEL	Z4M-96-19X	MDZ419X1	DV4M*304	SHOB	30-SEP-96	28-OCT-96	<	183 UGL	.0
	TOTAL NITROGEN/WATER/TECH	TF26	N2KJEL	Z4M-96-19X	MXZ419X1	DV4M*510	SHOB	30-SEP-96	28-OCT-96	<	183 UGL	.0
ABB-ES	PHOSPHATES/WATER/TECHNICON	TF27	P04	57M-96-11X	MD5711X1	DV4M*305	WHAC	02-OCT-96	22-OCT-96		70.8 UGL	7.6
	PHOSPHATES/WATER/TECHNICON	TF27	P04	57M-96-11X	MX5711X1	DV4M*535	WHAC	02-OCT-96	22-OCT-96		65.6 UGL	7.6
	PHOSPHATES/WATER/TECHNICON	TF27	P04	Z4M-96-19X	MXZ419X1	DV4M*510	WHAC	30-SEP-96	22-OCT-96		19.8 UGL	6.3
	PHOSPHATES/WATER/TECHNICON	TF27	P04	Z4M-96-19X	MDZ419X1	DV4M*304	WHAC	30-SEP-96	22-OCT-96		18.6 UGL	6.3

Appendix D-3
Table: D-18
FIELD DUPLICATE RESULTS
FT. DEVENS DV4 1996

Contractor		IRDMIS Method Code	IRDMIS Field Sample Number	Test Name	IRDMIS Site ID	Lab Number	Lot	Sample Date	Analysis Date	Value	Unit	RPD
ABB-ES	PESTICIDES/WATER/GCEC	UH02	57M-96-11X MX5711X1	PCB016	57M-96-11X MX5711X1	DV4M*305	SDQF	02-OCT-96	13-OCT-96	.16	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH02	57M-96-11X MX5711X1	PCB016	57M-96-11X MX5711X1	DV4M*535	SDQF	02-OCT-96	14-OCT-96	.16	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH02	57M-96-11X MX5711X1	PCB221	57M-96-11X MX5711X1	DV4M*305	SDQF	02-OCT-96	13-OCT-96	.16	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH02	57M-96-11X MX5711X1	PCB221	57M-96-11X MX5711X1	DV4M*535	SDQF	02-OCT-96	14-OCT-96	.16	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH02	57M-96-11X MX5711X1	PCB232	57M-96-11X MX5711X1	DV4M*305	SDQF	02-OCT-96	13-OCT-96	.16	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH02	57M-96-11X MX5711X1	PCB232	57M-96-11X MX5711X1	DV4M*535	SDQF	02-OCT-96	14-OCT-96	.16	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH02	57M-96-11X MX5711X1	PCB242	57M-96-11X MX5711X1	DV4M*305	SDQF	02-OCT-96	13-OCT-96	.19	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH02	57M-96-11X MX5711X1	PCB242	57M-96-11X MX5711X1	DV4M*535	SDQF	02-OCT-96	14-OCT-96	.19	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH02	57M-96-11X MX5711X1	PCB248	57M-96-11X MX5711X1	DV4M*305	SDQF	02-OCT-96	13-OCT-96	.19	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH02	57M-96-11X MX5711X1	PCB248	57M-96-11X MX5711X1	DV4M*535	SDQF	02-OCT-96	14-OCT-96	.19	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH02	57M-96-11X MX5711X1	PCB254	57M-96-11X MX5711X1	DV4M*305	SDQF	02-OCT-96	13-OCT-96	.19	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH02	57M-96-11X MX5711X1	PCB254	57M-96-11X MX5711X1	DV4M*535	SDQF	02-OCT-96	14-OCT-96	.19	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH02	57M-96-11X MX5711X1	PCB260	57M-96-11X MX5711X1	DV4M*305	SDQF	02-OCT-96	13-OCT-96	.19	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH02	57M-96-11X MX5711X1	PCB260	57M-96-11X MX5711X1	DV4M*535	SDQF	02-OCT-96	14-OCT-96	.19	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13	57M-96-11X MX5711X1	ABHC	57M-96-11X MX5711X1	DV4M*305	TDBG	02-OCT-96	31-OCT-96	.0385	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13	57M-96-11X MX5711X1	ABHC	57M-96-11X MX5711X1	DV4M*535	TDBG	02-OCT-96	31-OCT-96	.0385	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13	57M-96-11X MX5711X1	ACL DAN	57M-96-11X MX5711X1	DV4M*305	TDBG	02-OCT-96	31-OCT-96	.075	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13	57M-96-11X MX5711X1	ACL DAN	57M-96-11X MX5711X1	DV4M*535	TDBG	02-OCT-96	31-OCT-96	.075	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13	57M-96-11X MX5711X1	AENSLF	57M-96-11X MX5711X1	DV4M*305	TDBG	02-OCT-96	31-OCT-96	.023	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13	57M-96-11X MX5711X1	AENSLF	57M-96-11X MX5711X1	DV4M*535	TDBG	02-OCT-96	31-OCT-96	.023	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13	57M-96-11X MX5711X1	ALDRN	57M-96-11X MX5711X1	DV4M*305	TDBG	02-OCT-96	31-OCT-96	.0918	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13	57M-96-11X MX5711X1	ALDRN	57M-96-11X MX5711X1	DV4M*535	TDBG	02-OCT-96	31-OCT-96	.0918	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13	57M-96-11X MX5711X1	BBHC	57M-96-11X MX5711X1	DV4M*305	TDBG	02-OCT-96	31-OCT-96	.024	UGL	.0

Appendix D-3
Table: D-18
FIELD DUPLICATE RESULTS
FT. DEVENS DV4 1996

Contractor		Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Lot Date	Sample Date	Analysis Date	Value	Unit	RPD
ABB-ES	ABB-ES	PESTICIDES/WATER/GCEC	UH13	BBHC	57M-96-11X	MD5711X1	DV4M*305	DB8G	02-OCT-96	31-OCT-96	<	.024 UGL	.0
ABB-ES	ABB-ES	PESTICIDES/WATER/GCEC	UH13	BENSLF	57M-96-11X	MX5711X1	DV4M*535	DB8G	02-OCT-96	31-OCT-96	<	.023 UGL	.0
ABB-ES	ABB-ES	PESTICIDES/WATER/GCEC	UH13	BENSLF	57M-96-11X	MD5711X1	DV4M*305	DB8G	02-OCT-96	31-OCT-96	<	.023 UGL	.0
ABB-ES	ABB-ES	PESTICIDES/WATER/GCEC	UH13	DBHC	57M-96-11X	MX5711X1	DV4M*535	DB8G	02-OCT-96	31-OCT-96	<	.0293 UGL	.0
ABB-ES	ABB-ES	PESTICIDES/WATER/GCEC	UH13	DBHC	57M-96-11X	MD5711X1	DV4M*305	DB8G	02-OCT-96	31-OCT-96	<	.0293 UGL	.0
ABB-ES	ABB-ES	PESTICIDES/WATER/GCEC	UH13	DLDRN	57M-96-11X	MX5711X1	DV4M*535	DB8G	02-OCT-96	31-OCT-96	<	.024 UGL	.0
ABB-ES	ABB-ES	PESTICIDES/WATER/GCEC	UH13	DLDRN	57M-96-11X	MD5711X1	DV4M*305	DB8G	02-OCT-96	31-OCT-96	<	.024 UGL	.0
ABB-ES	ABB-ES	PESTICIDES/WATER/GCEC	UH13	ENDRN	57M-96-11X	MX5711X1	DV4M*535	DB8G	02-OCT-96	31-OCT-96	<	.0238 UGL	.0
ABB-ES	ABB-ES	PESTICIDES/WATER/GCEC	UH13	ENDRN	57M-96-11X	MD5711X1	DV4M*305	DB8G	02-OCT-96	31-OCT-96	<	.0238 UGL	.0
ABB-ES	ABB-ES	PESTICIDES/WATER/GCEC	UH13	ENDRNA	57M-96-11X	MX5711X1	DV4M*535	DB8G	02-OCT-96	31-OCT-96	<	.0285 UGL	.0
ABB-ES	ABB-ES	PESTICIDES/WATER/GCEC	UH13	ENDRNA	57M-96-11X	MD5711X1	DV4M*305	DB8G	02-OCT-96	31-OCT-96	<	.0285 UGL	.0
ABB-ES	ABB-ES	PESTICIDES/WATER/GCEC	UH13	ENDRNK	57M-96-11X	MX5711X1	DV4M*535	DB8G	02-OCT-96	31-OCT-96	<	.0285 UGL	.0
ABB-ES	ABB-ES	PESTICIDES/WATER/GCEC	UH13	ENDRNK	57M-96-11X	MD5711X1	DV4M*305	DB8G	02-OCT-96	31-OCT-96	<	.0285 UGL	.0
ABB-ES	ABB-ES	PESTICIDES/WATER/GCEC	UH13	ESFS04	57M-96-11X	MX5711X1	DV4M*535	DB8G	02-OCT-96	31-OCT-96	<	.0786 UGL	.0
ABB-ES	ABB-ES	PESTICIDES/WATER/GCEC	UH13	ESFS04	57M-96-11X	MD5711X1	DV4M*305	DB8G	02-OCT-96	31-OCT-96	<	.0786 UGL	.0
ABB-ES	ABB-ES	PESTICIDES/WATER/GCEC	UH13	GCLDAN	57M-96-11X	MX5711X1	DV4M*535	DB8G	02-OCT-96	31-OCT-96	<	.075 UGL	.0
ABB-ES	ABB-ES	PESTICIDES/WATER/GCEC	UH13	GCLDAN	57M-96-11X	MD5711X1	DV4M*305	DB8G	02-OCT-96	31-OCT-96	<	.075 UGL	.0
ABB-ES	ABB-ES	PESTICIDES/WATER/GCEC	UH13	HPCL	57M-96-11X	MX5711X1	DV4M*535	DB8G	02-OCT-96	31-OCT-96	<	.0423 UGL	.0
ABB-ES	ABB-ES	PESTICIDES/WATER/GCEC	UH13	HPCL	57M-96-11X	MD5711X1	DV4M*305	DB8G	02-OCT-96	31-OCT-96	<	.0423 UGL	.0
ABB-ES	ABB-ES	PESTICIDES/WATER/GCEC	UH13	HPCLE	57M-96-11X	MX5711X1	DV4M*535	DB8G	02-OCT-96	31-OCT-96	<	.0245 UGL	.0
ABB-ES	ABB-ES	PESTICIDES/WATER/GCEC	UH13	HPCLE	57M-96-11X	MD5711X1	DV4M*305	DB8G	02-OCT-96	31-OCT-96	<	.0245 UGL	.0
ABB-ES	ABB-ES	PESTICIDES/WATER/GCEC	UH13	ISODR	57M-96-11X	MX5711X1	DV4M*535	DB8G	02-OCT-96	31-OCT-96	<	.0562 UGL	.0
ABB-ES	ABB-ES	PESTICIDES/WATER/GCEC	UH13	ISODR	57M-96-11X	MD5711X1	DV4M*305	DB8G	02-OCT-96	31-OCT-96	<	.0562 UGL	.0

Appendix D-3
Table: D-18
FIELD DUPLICATE RESULTS
FT. DEVENS DV4 1996

Contractor	IRDMIS Method Code	Test Name	IRDMIS Field				Sample Date	Analysis Date	Value	Unit	RPD
			IRDMIS Site ID	Field Sample Number	Lab Number	Lot					
ABB-ES	UH13	PESTICIDES/WATER/GCEC	57M-96-11X	MX5711X1	DV4M*535	TDBG	02-OCT-96	31-OCT-96	.0507	UGL	.0
ABB-ES	UH13	PESTICIDES/WATER/GCEC	57M-96-11X	MD5711X1	DV4M*305	TDBG	02-OCT-96	31-OCT-96	.0507	UGL	.0
ABB-ES	UH13	PESTICIDES/WATER/GCEC	57M-96-11X	MX5711X1	DV4M*535	TDBG	02-OCT-96	31-OCT-96	.057	UGL	.0
ABB-ES	UH13	PESTICIDES/WATER/GCEC	57M-96-11X	MD5711X1	DV4M*305	TDBG	02-OCT-96	31-OCT-96	.057	UGL	.0
ABB-ES	UH13	PESTICIDES/WATER/GCEC	57M-96-11X	MX5711X1	DV4M*535	TDBG	02-OCT-96	31-OCT-96	.0233	UGL	.0
ABB-ES	UH13	PESTICIDES/WATER/GCEC	57M-96-11X	MD5711X1	DV4M*305	TDBG	02-OCT-96	31-OCT-96	.0233	UGL	.0
ABB-ES	UH13	PESTICIDES/WATER/GCEC	57M-96-11X	MX5711X1	DV4M*535	TDBG	02-OCT-96	31-OCT-96	.027	UGL	.0
ABB-ES	UH13	PESTICIDES/WATER/GCEC	57M-96-11X	MD5711X1	DV4M*305	TDBG	02-OCT-96	31-OCT-96	.027	UGL	.0
ABB-ES	UH13	PESTICIDES/WATER/GCEC	57M-96-11X	MX5711X1	DV4M*535	TDBG	02-OCT-96	31-OCT-96	.034	UGL	.0
ABB-ES	UH13	PESTICIDES/WATER/GCEC	57M-96-11X	MD5711X1	DV4M*305	TDBG	02-OCT-96	31-OCT-96	.034	UGL	.0
ABB-ES	UH13	PESTICIDES/WATER/GCEC	57M-96-11X	MX5711X1	DV4M*535	TDBG	02-OCT-96	31-OCT-96	1.35	UGL	.0
ABB-ES	UH13	PESTICIDES/WATER/GCEC	57M-96-11X	MD5711X1	DV4M*305	TDBG	02-OCT-96	31-OCT-96	1.35	UGL	.0
ABB-ES	UM18	ORGANICS/WATER/GCMS	57M-96-11X	MD5711X1	DV4M*305	MDIM	02-OCT-96	08-OCT-96	8	UGL	46.2
ABB-ES	UM18	ORGANICS/WATER/GCMS	57M-96-11X	MX5711X1	DV4M*535	MDIM	02-OCT-96	08-OCT-96	5	UGL	46.2
ABB-ES	UM18	ORGANICS/WATER/GCMS	57M-96-11X	MX5711X1	DV4M*535	MDIM	02-OCT-96	08-OCT-96	1.8	UGL	.0
ABB-ES	UM18	ORGANICS/WATER/GCMS	57M-96-11X	MD5711X1	DV4M*305	MDIM	02-OCT-96	08-OCT-96	1.8	UGL	.0
ABB-ES	UM18	ORGANICS/WATER/GCMS	57M-96-11X	MX5711X1	DV4M*535	MDIM	02-OCT-96	08-OCT-96	3.4	UGL	26.7
ABB-ES	UM18	ORGANICS/WATER/GCMS	57M-96-11X	MD5711X1	DV4M*305	MDIM	02-OCT-96	08-OCT-96	2.6	UGL	26.7
ABB-ES	UM18	ORGANICS/WATER/GCMS	57M-96-11X	MX5711X1	DV4M*535	MDIM	02-OCT-96	08-OCT-96	1.7	UGL	.0
ABB-ES	UM18	ORGANICS/WATER/GCMS	57M-96-11X	MD5711X1	DV4M*305	MDIM	02-OCT-96	08-OCT-96	1.7	UGL	.0
ABB-ES	UM18	ORGANICS/WATER/GCMS	57M-96-11X	MX5711X1	DV4M*535	MDIM	02-OCT-96	08-OCT-96	1.7	UGL	.0
ABB-ES	UM18	ORGANICS/WATER/GCMS	57M-96-11X	MD5711X1	DV4M*305	MDIM	02-OCT-96	08-OCT-96	1.7	UGL	.0
ABB-ES	UM18	ORGANICS/WATER/GCMS	57M-96-11X	MX5711X1	DV4M*535	MDIM	02-OCT-96	08-OCT-96	5.2	UGL	.0

Appendix D-3
Table: D-18
FIELD DUPLICATE RESULTS
FT. DEVENS DV4 1996

Contractor	Method Code	Test Name	IRMIS Field			Sample Date	Analysis Date	Value	Unit	RPD
			IRMIS Site ID	Sample Number	Lab Number					
ABB-ES	UM18	245TCP	57N-96-11X	MD5711X1	DV4M*305	MDIM 02-OCT-96	08-OCT-96	5.2	UGL	.0
ABB-ES	UM18	246TCP	57N-96-11X	MX5711X1	DV4M*535	MDIM 02-OCT-96	08-OCT-96	4.2	UGL	.0
ABB-ES	UM18	246TCP	57N-96-11X	MD5711X1	DV4M*305	MDIM 02-OCT-96	08-OCT-96	4.2	UGL	.0
ABB-ES	UM18	24DCLP	57N-96-11X	MX5711X1	DV4M*535	MDIM 02-OCT-96	08-OCT-96	2.9	UGL	.0
ABB-ES	UM18	24DCLP	57N-96-11X	MD5711X1	DV4M*305	MDIM 02-OCT-96	08-OCT-96	2.9	UGL	.0
ABB-ES	UM18	24DMPN	57N-96-11X	MX5711X1	DV4M*535	MDIM 02-OCT-96	08-OCT-96	5.8	UGL	.0
ABB-ES	UM18	24DMPN	57N-96-11X	MD5711X1	DV4M*305	MDIM 02-OCT-96	08-OCT-96	5.8	UGL	.0
ABB-ES	UM18	24DNP	57N-96-11X	MX5711X1	DV4M*535	MDIM 02-OCT-96	08-OCT-96	21	UGL	.0
ABB-ES	UM18	24DNP	57N-96-11X	MD5711X1	DV4M*305	MDIM 02-OCT-96	08-OCT-96	21	UGL	.0
ABB-ES	UM18	24DNT	57N-96-11X	MX5711X1	DV4M*535	MDIM 02-OCT-96	08-OCT-96	4.5	UGL	.0
ABB-ES	UM18	24DNT	57N-96-11X	MD5711X1	DV4M*305	MDIM 02-OCT-96	08-OCT-96	4.5	UGL	.0
ABB-ES	UM18	26DNT	57N-96-11X	MX5711X1	DV4M*535	MDIM 02-OCT-96	08-OCT-96	.79	UGL	.0
ABB-ES	UM18	26DNT	57N-96-11X	MD5711X1	DV4M*305	MDIM 02-OCT-96	08-OCT-96	.79	UGL	.0
ABB-ES	UM18	2CLP	57N-96-11X	MX5711X1	DV4M*535	MDIM 02-OCT-96	08-OCT-96	.99	UGL	.0
ABB-ES	UM18	2CLP	57N-96-11X	MD5711X1	DV4M*305	MDIM 02-OCT-96	08-OCT-96	.99	UGL	.0
ABB-ES	UM18	2CNAP	57N-96-11X	MX5711X1	DV4M*535	MDIM 02-OCT-96	08-OCT-96	.5	UGL	.0
ABB-ES	UM18	2CNAP	57N-96-11X	MD5711X1	DV4M*305	MDIM 02-OCT-96	08-OCT-96	.5	UGL	.0
ABB-ES	UM18	2MNAP	57N-96-11X	MX5711X1	DV4M*535	MDIM 02-OCT-96	08-OCT-96	1.7	UGL	.0
ABB-ES	UM18	2MNAP	57N-96-11X	MD5711X1	DV4M*305	MDIM 02-OCT-96	08-OCT-96	1.7	UGL	.0
ABB-ES	UM18	2MP	57N-96-11X	MX5711X1	DV4M*535	MDIM 02-OCT-96	08-OCT-96	3.9	UGL	.0
ABB-ES	UM18	2MP	57N-96-11X	MD5711X1	DV4M*305	MDIM 02-OCT-96	08-OCT-96	3.9	UGL	.0
ABB-ES	UM18	2NANIL	57N-96-11X	MX5711X1	DV4M*535	MDIM 02-OCT-96	08-OCT-96	4.3	UGL	.0
ABB-ES	UM18	2NANIL	57N-96-11X	MD5711X1	DV4M*305	MDIM 02-OCT-96	08-OCT-96	4.3	UGL	.0

Appendix D-3
Table: D-18
FIELD DUPLICATE RESULTS
FT. DEVENS DV4 1996

Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value	Unit	RPD
ABB-ES	ORGANICS/WATER/GCMS	UM18	2NP	57M-96-11X	MX5711X1	DV4M*535	MDIM	02-OCT-96	08-OCT-96	3.7	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	2NP	57M-96-11X	MD5711X1	DV4M*305	MDIM	02-OCT-96	08-OCT-96	3.7	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	33DCBD	57M-96-11X	MX5711X1	DV4M*535	MDIM	02-OCT-96	08-OCT-96	12	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	33DCBD	57M-96-11X	MD5711X1	DV4M*305	MDIM	02-OCT-96	08-OCT-96	12	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	3NANIL	57M-96-11X	MX5711X1	DV4M*535	MDIM	02-OCT-96	08-OCT-96	4.9	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	3NANIL	57M-96-11X	MD5711X1	DV4M*305	MDIM	02-OCT-96	08-OCT-96	4.9	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	46DN2C	57M-96-11X	MX5711X1	DV4M*535	MDIM	02-OCT-96	08-OCT-96	17	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	46DN2C	57M-96-11X	MD5711X1	DV4M*305	MDIM	02-OCT-96	08-OCT-96	17	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	4BRPPE	57M-96-11X	MX5711X1	DV4M*535	MDIM	02-OCT-96	08-OCT-96	4.2	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	4BRPPE	57M-96-11X	MD5711X1	DV4M*305	MDIM	02-OCT-96	08-OCT-96	4.2	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	4CANIL	57M-96-11X	MX5711X1	DV4M*535	MDIM	02-OCT-96	08-OCT-96	7.3	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	4CANIL	57M-96-11X	MD5711X1	DV4M*305	MDIM	02-OCT-96	08-OCT-96	7.3	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	4CL3C	57M-96-11X	MX5711X1	DV4M*535	MDIM	02-OCT-96	08-OCT-96	4	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	4CL3C	57M-96-11X	MD5711X1	DV4M*305	MDIM	02-OCT-96	08-OCT-96	4	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	4CLPPE	57M-96-11X	MX5711X1	DV4M*535	MDIM	02-OCT-96	08-OCT-96	5.1	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	4CLPPE	57M-96-11X	MD5711X1	DV4M*305	MDIM	02-OCT-96	08-OCT-96	5.1	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	4NP	57M-96-11X	MX5711X1	DV4M*535	MDIM	02-OCT-96	08-OCT-96	.52	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	4NP	57M-96-11X	MD5711X1	DV4M*305	MDIM	02-OCT-96	08-OCT-96	.52	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	4NANIL	57M-96-11X	MX5711X1	DV4M*535	MDIM	02-OCT-96	08-OCT-96	5.2	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	4NANIL	57M-96-11X	MD5711X1	DV4M*305	MDIM	02-OCT-96	08-OCT-96	5.2	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	4NP	57M-96-11X	MX5711X1	DV4M*535	MDIM	02-OCT-96	08-OCT-96	12	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	4NP	57M-96-11X	MD5711X1	DV4M*305	MDIM	02-OCT-96	08-OCT-96	12	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	ANAPNE	57M-96-11X	MX5711X1	DV4M*535	MDIM	02-OCT-96	08-OCT-96	1.7	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	ANAPNE	57M-96-11X	MD5711X1	DV4M*305	MDIM	02-OCT-96	08-OCT-96	1.7	UGL	.0

Appendix D-3
Table: D-18
FIELD DUPLICATE RESULTS
FT. DEVENS DV4 1996

Contractor		Method Description	IRDMIS Code	Test Name	IRDMIS Site ID	IRDMIS Field Number	Lab Number	Lot	Sample Date	Analysis Date	Value	Unit	RPD
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	ANAPYL	57M-96-11X	MX5711X1	DV4M*535	WDIM	02-OCT-96	08-OCT-96	<	.5 UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	ANAPYL	57M-96-11X	MD5711X1	DV4M*305	WDIM	02-OCT-96	08-OCT-96	<	.5 UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	ANTRC	57M-96-11X	MX5711X1	DV4M*535	WDIM	02-OCT-96	08-OCT-96	<	.5 UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	ANTRC	57M-96-11X	MD5711X1	DV4M*305	WDIM	02-OCT-96	08-OCT-96	<	.5 UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	B2CEXM	57M-96-11X	MX5711X1	DV4M*535	WDIM	02-OCT-96	08-OCT-96	<	1.5 UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	B2CEXM	57M-96-11X	MD5711X1	DV4M*305	WDIM	02-OCT-96	08-OCT-96	<	1.5 UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	B2CIPE	57M-96-11X	MX5711X1	DV4M*535	WDIM	02-OCT-96	08-OCT-96	<	5.3 UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	B2CIPE	57M-96-11X	MD5711X1	DV4M*305	WDIM	02-OCT-96	08-OCT-96	<	5.3 UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	B2CLEE	57M-96-11X	MX5711X1	DV4M*535	WDIM	02-OCT-96	08-OCT-96	<	1.9 UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	B2CLEE	57M-96-11X	MD5711X1	DV4M*305	WDIM	02-OCT-96	08-OCT-96	<	1.9 UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	B2EHP	57M-96-11X	MX5711X1	DV4M*535	WDIM	02-OCT-96	08-OCT-96	<	6.7 UGL	33.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	B2EHP	57M-96-11X	MX5711X1	DV4M*305	WDIM	02-OCT-96	08-OCT-96	<	4.8 UGL	33.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	BAANTR	57M-96-11X	MX5711X1	DV4M*535	WDIM	02-OCT-96	08-OCT-96	<	1.6 UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	BAANTR	57M-96-11X	MD5711X1	DV4M*305	WDIM	02-OCT-96	08-OCT-96	<	1.6 UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	BAPYR	57M-96-11X	MX5711X1	DV4M*535	WDIM	02-OCT-96	08-OCT-96	<	4.7 UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	BAPYR	57M-96-11X	MD5711X1	DV4M*305	WDIM	02-OCT-96	08-OCT-96	<	4.7 UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	BBFANT	57M-96-11X	MX5711X1	DV4M*535	WDIM	02-OCT-96	08-OCT-96	<	5.4 UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	BBFANT	57M-96-11X	MD5711X1	DV4M*305	WDIM	02-OCT-96	08-OCT-96	<	5.4 UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	BBZP	57M-96-11X	MX5711X1	DV4M*535	WDIM	02-OCT-96	08-OCT-96	<	3.4 UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	BBZP	57M-96-11X	MD5711X1	DV4M*305	WDIM	02-OCT-96	08-OCT-96	<	3.4 UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	BENZOZ	57M-96-11X	MX5711X1	DV4M*535	WDIM	02-OCT-96	08-OCT-96	<	13 UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	BENZOZ	57M-96-11X	MD5711X1	DV4M*305	WDIM	02-OCT-96	08-OCT-96	<	13 UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	BGHIPI	57M-96-11X	MX5711X1	DV4M*535	WDIM	02-OCT-96	08-OCT-96	<	6.1 UGL	.0

Appendix D-3
Table: D-18
FIELD DUPLICATE RESULTS
FT. DEVENS DV4 1996

Contractor		IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value	Unit	RPD
Method Description												
ABB-ES	ORGANICS/WATER/GCMS	UM18	BGHPY	57M-96-11X	MD5711X1	DV4M*305	MDIM	02-OCT-96	08-OCT-96	6.1	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	BKFANT	57M-96-11X	MX5711X1	DV4M*335	MDIM	02-OCT-96	08-OCT-96	.87	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	BKFANT	57M-96-11X	MD5711X1	DV4M*305	MDIM	02-OCT-96	08-OCT-96	.87	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	BZALC	57M-96-11X	MX5711X1	DV4M*335	MDIM	02-OCT-96	08-OCT-96	.72	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	BZALC	57M-96-11X	MD5711X1	DV4M*305	MDIM	02-OCT-96	08-OCT-96	.72	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	CARBZ	57M-96-11X	MX5711X1	DV4M*335	MDIM	02-OCT-96	08-OCT-96	2	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	CARBZ	57M-96-11X	MD5711X1	DV4M*305	MDIM	02-OCT-96	08-OCT-96	2	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	CHRY	57M-96-11X	MX5711X1	DV4M*335	MDIM	02-OCT-96	08-OCT-96	2.4	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	CHRY	57M-96-11X	MD5711X1	DV4M*305	MDIM	02-OCT-96	08-OCT-96	2.4	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	CL6BZ	57M-96-11X	MX5711X1	DV4M*335	MDIM	02-OCT-96	08-OCT-96	1.6	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	CL6BZ	57M-96-11X	MD5711X1	DV4M*305	MDIM	02-OCT-96	08-OCT-96	1.6	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	CL6CP	57M-96-11X	MX5711X1	DV4M*335	MDIM	02-OCT-96	08-OCT-96	8.6	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	CL6CP	57M-96-11X	MD5711X1	DV4M*305	MDIM	02-OCT-96	08-OCT-96	8.6	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	CL6ET	57M-96-11X	MX5711X1	DV4M*335	MDIM	02-OCT-96	08-OCT-96	1.5	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	CL6ET	57M-96-11X	MD5711X1	DV4M*305	MDIM	02-OCT-96	08-OCT-96	1.5	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	DBAHA	57M-96-11X	MX5711X1	DV4M*335	MDIM	02-OCT-96	08-OCT-96	6.5	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	DBAHA	57M-96-11X	MD5711X1	DV4M*305	MDIM	02-OCT-96	08-OCT-96	6.5	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	DBZFUR	57M-96-11X	MX5711X1	DV4M*335	MDIM	02-OCT-96	08-OCT-96	1.7	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	DBZFUR	57M-96-11X	MD5711X1	DV4M*305	MDIM	02-OCT-96	08-OCT-96	1.7	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	DEP	57M-96-11X	MX5711X1	DV4M*335	MDIM	02-OCT-96	08-OCT-96	2	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	DEP	57M-96-11X	MD5711X1	DV4M*305	MDIM	02-OCT-96	08-OCT-96	2	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	DMP	57M-96-11X	MX5711X1	DV4M*335	MDIM	02-OCT-96	08-OCT-96	1.5	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	DMP	57M-96-11X	MD5711X1	DV4M*305	MDIM	02-OCT-96	08-OCT-96	1.5	UGL	.0

Appendix D-3
Table: D-18
FIELD DUPLICATE RESULTS
FT. DEVENS DV4 1996

Contractor		Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value	Unit	RPD
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	DNBP	57M-96-11X	MX5711X1	DV4M*535	MD1M	02-OCT-96	08-OCT-96	3.7	UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	DNBP	57M-96-11X	MD5711X1	DV4M*305	MD1M	02-OCT-96	08-OCT-96	3.7	UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	DNBP	57M-96-11X	MX5711X1	DV4M*535	MD1M	02-OCT-96	08-OCT-96	15	UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	DNBP	57M-96-11X	MD5711X1	DV4M*305	MD1M	02-OCT-96	08-OCT-96	15	UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	ET4MBZ	57M-96-11X	MD5711X1	DV4M*305	MD1M	02-OCT-96	08-OCT-96	10	UGL	10.5
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	ET4MBZ	57M-96-11X	MX5711X1	DV4M*535	MD1M	02-OCT-96	08-OCT-96	9	UGL	10.5
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	FANT	57M-96-11X	MX5711X1	DV4M*535	MD1M	02-OCT-96	08-OCT-96	3.3	UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	FANT	57M-96-11X	MD5711X1	DV4M*305	MD1M	02-OCT-96	08-OCT-96	3.3	UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	FLRENE	57M-96-11X	MX5711X1	DV4M*535	MD1M	02-OCT-96	08-OCT-96	3.7	UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	FLRENE	57M-96-11X	MD5711X1	DV4M*305	MD1M	02-OCT-96	08-OCT-96	3.7	UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	HCBD	57M-96-11X	MX5711X1	DV4M*535	MD1M	02-OCT-96	08-OCT-96	3.4	UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	HCBD	57M-96-11X	MD5711X1	DV4M*305	MD1M	02-OCT-96	08-OCT-96	3.4	UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	ICDPYR	57M-96-11X	MX5711X1	DV4M*535	MD1M	02-OCT-96	08-OCT-96	8.6	UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	ICDPYR	57M-96-11X	MD5711X1	DV4M*305	MD1M	02-OCT-96	08-OCT-96	8.6	UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	ISOPHR	57M-96-11X	MX5711X1	DV4M*535	MD1M	02-OCT-96	08-OCT-96	4.8	UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	ISOPHR	57M-96-11X	MD5711X1	DV4M*305	MD1M	02-OCT-96	08-OCT-96	4.8	UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	NAP	57M-96-11X	MX5711X1	DV4M*535	MD1M	02-OCT-96	08-OCT-96	3.3	UGL	27.6
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	NAP	57M-96-11X	MD5711X1	DV4M*305	MD1M	02-OCT-96	08-OCT-96	2.5	UGL	27.6
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	NB	57M-96-11X	MX5711X1	DV4M*535	MD1M	02-OCT-96	08-OCT-96	.5	UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	NB	57M-96-11X	MD5711X1	DV4M*305	MD1M	02-OCT-96	08-OCT-96	.5	UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	NNDPA	57M-96-11X	MX5711X1	DV4M*535	MD1M	02-OCT-96	08-OCT-96	4.4	UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	NNDPA	57M-96-11X	MD5711X1	DV4M*305	MD1M	02-OCT-96	08-OCT-96	4.4	UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	NNDPA	57M-96-11X	MX5711X1	DV4M*535	MD1M	02-OCT-96	08-OCT-96	3	UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	NNDPA	57M-96-11X	MD5711X1	DV4M*305	MD1M	02-OCT-96	08-OCT-96	3	UGL	.0

Appendix D-3
Table: D-18
FIELD DUPLICATE RESULTS
FT. DEVENS DV4 1996

Contractor		Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value	Unit	RPD
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	PCP	57M-96-11X	MX5711X1	DV4W*535	MDIM	02-OCT-96	08-OCT-96	18	UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	PCP	57M-96-11X	MD5711X1	DV4W*505	MDIM	02-OCT-96	08-OCT-96	18	UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	PHANTR	57M-96-11X	MX5711X1	DV4W*535	MDIM	02-OCT-96	08-OCT-96	.5	UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	PHANTR	57M-96-11X	MD5711X1	DV4W*505	MDIM	02-OCT-96	08-OCT-96	.5	UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	PHENOL	57M-96-11X	MX5711X1	DV4W*535	MDIM	02-OCT-96	08-OCT-96	9.2	UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	PHENOL	57M-96-11X	MD5711X1	DV4W*505	MDIM	02-OCT-96	08-OCT-96	9.2	UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	PYR	57M-96-11X	MX5711X1	DV4W*535	MDIM	02-OCT-96	08-OCT-96	2.8	UGL	.0
ABB-ES	ABB-ES	ORGANICS/WATER/GCMS	UM18	PYR	57M-96-11X	MD5711X1	DV4W*505	MDIM	02-OCT-96	08-OCT-96	2.8	UGL	.0
ABB-ES	ABB-ES	VOLATILES/WATER/GCMS	UM20	111TCE	57M-96-11X	MD5711X1	DV4W*305	XOLS	02-OCT-96	09-OCT-96	.5	UGL	.0
ABB-ES	ABB-ES	VOLATILES/WATER/GCMS	UM20	111TCE	57M-96-11X	MX5711X1	DV4W*535	XOLS	02-OCT-96	09-OCT-96	.5	UGL	.0
ABB-ES	ABB-ES	VOLATILES/WATER/GCMS	UM20	112TCE	57M-96-11X	MD5711X1	DV4W*305	XOLS	02-OCT-96	09-OCT-96	1.2	UGL	.0
ABB-ES	ABB-ES	VOLATILES/WATER/GCMS	UM20	112TCE	57M-96-11X	MX5711X1	DV4W*535	XOLS	02-OCT-96	09-OCT-96	1.2	UGL	.0
ABB-ES	ABB-ES	VOLATILES/WATER/GCMS	UM20	11DCE	57M-96-11X	MD5711X1	DV4W*305	XOLS	02-OCT-96	09-OCT-96	.5	UGL	.0
ABB-ES	ABB-ES	VOLATILES/WATER/GCMS	UM20	11DCE	57M-96-11X	MX5711X1	DV4W*535	XOLS	02-OCT-96	09-OCT-96	.5	UGL	.0
ABB-ES	ABB-ES	VOLATILES/WATER/GCMS	UM20	11DCE	57M-96-11X	MD5711X1	DV4W*305	XOLS	02-OCT-96	09-OCT-96	.68	UGL	.0
ABB-ES	ABB-ES	VOLATILES/WATER/GCMS	UM20	11DCE	57M-96-11X	MX5711X1	DV4W*535	XOLS	02-OCT-96	09-OCT-96	.68	UGL	.0
ABB-ES	ABB-ES	VOLATILES/WATER/GCMS	UM20	12DCE	57M-96-11X	MD5711X1	DV4W*305	XOLS	02-OCT-96	09-OCT-96	.89	UGL	18.4
ABB-ES	ABB-ES	VOLATILES/WATER/GCMS	UM20	12DCE	57M-96-11X	MX5711X1	DV4W*535	XOLS	02-OCT-96	09-OCT-96	.74	UGL	18.4
ABB-ES	ABB-ES	VOLATILES/WATER/GCMS	UM20	12DCE	57M-96-11X	MD5711X1	DV4W*305	XOLS	02-OCT-96	09-OCT-96	.5	UGL	.0
ABB-ES	ABB-ES	VOLATILES/WATER/GCMS	UM20	12DCE	57M-96-11X	MX5711X1	DV4W*535	XOLS	02-OCT-96	09-OCT-96	.5	UGL	.0
ABB-ES	ABB-ES	VOLATILES/WATER/GCMS	UM20	12DCLP	57M-96-11X	MD5711X1	DV4W*305	XOLS	02-OCT-96	09-OCT-96	.5	UGL	.0
ABB-ES	ABB-ES	VOLATILES/WATER/GCMS	UM20	12DCLP	57M-96-11X	MD5711X1	DV4W*535	XOLS	02-OCT-96	09-OCT-96	.5	UGL	.0

Appendix D-3
Table: D-18
FIELD DUPLICATE RESULTS
FT. DEVENS DV4 1996

Contractor		Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value	Unit	RPD
ABB-ES	ABB-ES	VOLATILES/WATER/GCMS	UM20	2CLEVE	57N-96-11X	MX5711X1	DV4M*305	XOLS	02-OCT-96	09-OCT-96	<	.71 UGL	.0
ABB-ES	ABB-ES	VOLATILES/WATER/GCMS	UM20	2CLEVE	57N-96-11X	MX5711X1	DV4M*305	XOLS	02-OCT-96	09-OCT-96	<	.71 UGL	.0
ABB-ES	ABB-ES	VOLATILES/WATER/GCMS	UM20	ACET	57N-96-11X	MX5711X1	DV4M*305	XOLS	02-OCT-96	09-OCT-96	<	13 UGL	.0
ABB-ES	ABB-ES	VOLATILES/WATER/GCMS	UM20	ACET	57N-96-11X	MX5711X1	DV4M*305	XOLS	02-OCT-96	09-OCT-96	<	13 UGL	.0
ABB-ES	ABB-ES	VOLATILES/WATER/GCMS	UM20	BRDCM	57N-96-11X	MX5711X1	DV4M*305	XOLS	02-OCT-96	09-OCT-96	<	.59 UGL	.0
ABB-ES	ABB-ES	VOLATILES/WATER/GCMS	UM20	BRDCM	57N-96-11X	MX5711X1	DV4M*305	XOLS	02-OCT-96	09-OCT-96	<	.59 UGL	.0
ABB-ES	ABB-ES	VOLATILES/WATER/GCMS	UM20	C13DCP	57N-96-11X	MX5711X1	DV4M*305	XOLS	02-OCT-96	09-OCT-96	<	.58 UGL	.0
ABB-ES	ABB-ES	VOLATILES/WATER/GCMS	UM20	C13DCP	57N-96-11X	MX5711X1	DV4M*305	XOLS	02-OCT-96	09-OCT-96	<	.58 UGL	.0
ABB-ES	ABB-ES	VOLATILES/WATER/GCMS	UM20	C2AVE	57N-96-11X	MX5711X1	DV4M*305	XOLS	02-OCT-96	09-OCT-96	<	8.3 UGL	.0
ABB-ES	ABB-ES	VOLATILES/WATER/GCMS	UM20	C2AVE	57N-96-11X	MX5711X1	DV4M*305	XOLS	02-OCT-96	09-OCT-96	<	8.3 UGL	.0
ABB-ES	ABB-ES	VOLATILES/WATER/GCMS	UM20	C2H3CL	57N-96-11X	MX5711X1	DV4M*305	XOLS	02-OCT-96	09-OCT-96	<	2.6 UGL	.0
ABB-ES	ABB-ES	VOLATILES/WATER/GCMS	UM20	C2H3CL	57N-96-11X	MX5711X1	DV4M*305	XOLS	02-OCT-96	09-OCT-96	<	2.6 UGL	.0
ABB-ES	ABB-ES	VOLATILES/WATER/GCMS	UM20	C2H5CL	57N-96-11X	MX5711X1	DV4M*305	XOLS	02-OCT-96	09-OCT-96	<	1.9 UGL	.0
ABB-ES	ABB-ES	VOLATILES/WATER/GCMS	UM20	C2H5CL	57N-96-11X	MX5711X1	DV4M*305	XOLS	02-OCT-96	09-OCT-96	<	1.9 UGL	.0
ABB-ES	ABB-ES	VOLATILES/WATER/GCMS	UM20	C6H6	57N-96-11X	MX5711X1	DV4M*305	XOLS	02-OCT-96	09-OCT-96	<	.5 UGL	.0
ABB-ES	ABB-ES	VOLATILES/WATER/GCMS	UM20	C6H6	57N-96-11X	MX5711X1	DV4M*305	XOLS	02-OCT-96	09-OCT-96	<	.5 UGL	.0
ABB-ES	ABB-ES	VOLATILES/WATER/GCMS	UM20	CCL3F	57N-96-11X	MX5711X1	DV4M*305	XOLS	02-OCT-96	09-OCT-96	<	1.4 UGL	.0
ABB-ES	ABB-ES	VOLATILES/WATER/GCMS	UM20	CCL3F	57N-96-11X	MX5711X1	DV4M*305	XOLS	02-OCT-96	09-OCT-96	<	1.4 UGL	.0
ABB-ES	ABB-ES	VOLATILES/WATER/GCMS	UM20	CCL4	57N-96-11X	MX5711X1	DV4M*305	XOLS	02-OCT-96	09-OCT-96	<	.58 UGL	.0
ABB-ES	ABB-ES	VOLATILES/WATER/GCMS	UM20	CCL4	57N-96-11X	MX5711X1	DV4M*305	XOLS	02-OCT-96	09-OCT-96	<	.58 UGL	.0
ABB-ES	ABB-ES	VOLATILES/WATER/GCMS	UM20	CH2CL2	57N-96-11X	MX5711X1	DV4M*305	XOLS	02-OCT-96	09-OCT-96	<	2.3 UGL	.0
ABB-ES	ABB-ES	VOLATILES/WATER/GCMS	UM20	CH2CL2	57N-96-11X	MX5711X1	DV4M*305	XOLS	02-OCT-96	09-OCT-96	<	2.3 UGL	.0
ABB-ES	ABB-ES	VOLATILES/WATER/GCMS	UM20	CH3BR	57N-96-11X	MX5711X1	DV4M*305	XOLS	02-OCT-96	09-OCT-96	<	5.8 UGL	.0
ABB-ES	ABB-ES	VOLATILES/WATER/GCMS	UM20	CH3BR	57N-96-11X	MX5711X1	DV4M*305	XOLS	02-OCT-96	09-OCT-96	<	5.8 UGL	.0

Appendix D-3
Table: D-18
FIELD DUPLICATE RESULTS
FT. DEVENS DV4 1996

Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Field		Lab Number	Sample Lot Date	Analysis Date	Value Unit	RPD
				IRDMIS Site ID	Sample Number					
ABB-ES ABB-ES	VOLATILES/WATER/GCMS	UM20	CH3CL	57N-96-11X	MX5711X1	DV4M*535	XOLS 02-OCT-96	09-OCT-96	3.2 UGL	.0
	VOLATILES/WATER/GCMS	UM20	CH3CL	57N-96-11X	MD5711X1	DV4M*305	XOLS 02-OCT-96	09-OCT-96	3.2 UGL	.0
ABB-ES ABB-ES	VOLATILES/WATER/GCMS	UM20	CHBR3	57N-96-11X	MX5711X1	DV4M*535	XOLS 02-OCT-96	09-OCT-96	2.6 UGL	.0
	VOLATILES/WATER/GCMS	UM20	CHBR3	57N-96-11X	MD5711X1	DV4M*305	XOLS 02-OCT-96	09-OCT-96	2.6 UGL	.0
ABB-ES ABB-ES	VOLATILES/WATER/GCMS	UM20	CHCL3	57N-96-11X	MX5711X1	DV4M*535	XOLS 02-OCT-96	09-OCT-96	.5 UGL	.0
	VOLATILES/WATER/GCMS	UM20	CHCL3	57N-96-11X	MD5711X1	DV4M*305	XOLS 02-OCT-96	09-OCT-96	.5 UGL	.0
ABB-ES ABB-ES	VOLATILES/WATER/GCMS	UM20	CLC6H5	57N-96-11X	MX5711X1	DV4M*535	XOLS 02-OCT-96	09-OCT-96	.5 UGL	.0
	VOLATILES/WATER/GCMS	UM20	CLC6H5	57N-96-11X	MD5711X1	DV4M*305	XOLS 02-OCT-96	09-OCT-96	.5 UGL	.0
ABB-ES ABB-ES	VOLATILES/WATER/GCMS	UM20	CS2	57N-96-11X	MX5711X1	DV4M*535	XOLS 02-OCT-96	09-OCT-96	.5 UGL	.0
	VOLATILES/WATER/GCMS	UM20	CS2	57N-96-11X	MD5711X1	DV4M*305	XOLS 02-OCT-96	09-OCT-96	.5 UGL	.0
ABB-ES ABB-ES	VOLATILES/WATER/GCMS	UM20	DBRCLM	57N-96-11X	MX5711X1	DV4M*535	XOLS 02-OCT-96	09-OCT-96	.67 UGL	.0
	VOLATILES/WATER/GCMS	UM20	DBRCLM	57N-96-11X	MD5711X1	DV4M*305	XOLS 02-OCT-96	09-OCT-96	.67 UGL	.0
ABB-ES ABB-ES	VOLATILES/WATER/GCMS	UM20	ETC6H5	57N-96-11X	MD5711X1	DV4M*305	XOLS 02-OCT-96	09-OCT-96	4.6 UGL	9.1
	VOLATILES/WATER/GCMS	UM20	ETC6H5	57N-96-11X	MX5711X1	DV4M*535	XOLS 02-OCT-96	09-OCT-96	4.2 UGL	9.1
ABB-ES ABB-ES	VOLATILES/WATER/GCMS	UM20	MEC6H5	57N-96-11X	MX5711X1	DV4M*535	XOLS 02-OCT-96	09-OCT-96	.86 UGL	24.8
	VOLATILES/WATER/GCMS	UM20	MEC6H5	57N-96-11X	MD5711X1	DV4M*305	XOLS 02-OCT-96	09-OCT-96	.67 UGL	24.8
ABB-ES ABB-ES	VOLATILES/WATER/GCMS	UM20	MEK	57N-96-11X	MX5711X1	DV4M*535	XOLS 02-OCT-96	09-OCT-96	6.4 UGL	.0
	VOLATILES/WATER/GCMS	UM20	MEK	57N-96-11X	MD5711X1	DV4M*305	XOLS 02-OCT-96	09-OCT-96	6.4 UGL	.0
ABB-ES ABB-ES	VOLATILES/WATER/GCMS	UM20	MIBK	57N-96-11X	MX5711X1	DV4M*535	XOLS 02-OCT-96	09-OCT-96	3 UGL	.0
	VOLATILES/WATER/GCMS	UM20	MIBK	57N-96-11X	MD5711X1	DV4M*305	XOLS 02-OCT-96	09-OCT-96	3 UGL	.0
ABB-ES ABB-ES	VOLATILES/WATER/GCMS	UM20	MNBK	57N-96-11X	MX5711X1	DV4M*535	XOLS 02-OCT-96	09-OCT-96	3.6 UGL	.0
	VOLATILES/WATER/GCMS	UM20	MNBK	57N-96-11X	MD5711X1	DV4M*305	XOLS 02-OCT-96	09-OCT-96	3.6 UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	STYR	57N-96-11X	MX5711X1	DV4M*535	XOLS 02-OCT-96	09-OCT-96	.5 UGL	.0

Appendix D-3
Table: D-18
FIELD DUPLICATE RESULTS
FT. DEVENS DV4 1996

Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Field			Lab Number	Lot	Sample Date	Analysis Date	Value	Unit	RPD
				IRDMIS Site ID	Field Sample Number	Number							
ABB-ES	VOLATILES/WATER/GCMS	UM20	STYR	57M-96-11X	MD5711X1	DV4M*305	XOLS	02-OCT-96	09-OCT-96	<	.5	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	T130CP	57M-96-11X	MX5711X1	DV4M*535	XOLS	02-OCT-96	09-OCT-96	<	.7	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	T130CP	57M-96-11X	MD5711X1	DV4M*305	XOLS	02-OCT-96	09-OCT-96	<	.7	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	TCLEA	57M-96-11X	MX5711X1	DV4M*535	XOLS	02-OCT-96	09-OCT-96	<	.51	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	TCLEA	57M-96-11X	MD5711X1	DV4M*305	XOLS	02-OCT-96	09-OCT-96	<	.51	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	TCLEE	57M-96-11X	MX5711X1	DV4M*305	XOLS	02-OCT-96	09-OCT-96	<	4.8	UGL	2.1
ABB-ES	VOLATILES/WATER/GCMS	UM20	TCLEE	57M-96-11X	MX5711X1	DV4M*535	XOLS	02-OCT-96	09-OCT-96	<	4.7	UGL	2.1
ABB-ES	VOLATILES/WATER/GCMS	UM20	TRCLE	57M-96-11X	MX5711X1	DV4M*535	XOLS	02-OCT-96	09-OCT-96	<	1.1	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	TRCLE	57M-96-11X	MD5711X1	DV4M*305	XOLS	02-OCT-96	09-OCT-96	<	1.1	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	UNK192	57M-96-11X	MX5711X1	DV4M*535	XOLS	02-OCT-96	09-OCT-96	<	6	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	UNK192	57M-96-11X	MD5711X1	DV4M*305	XOLS	02-OCT-96	09-OCT-96	<	6	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	UNK198	57M-96-11X	MX5711X1	DV4M*535	XOLS	02-OCT-96	09-OCT-96	<	7	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	UNK198	57M-96-11X	MD5711X1	DV4M*305	XOLS	02-OCT-96	09-OCT-96	<	7	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	UNK202	57M-96-11X	MX5711X1	DV4M*535	XOLS	02-OCT-96	09-OCT-96	<	10	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	UNK202	57M-96-11X	MD5711X1	DV4M*305	XOLS	02-OCT-96	09-OCT-96	<	10	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	UNK211	57M-96-11X	MX5711X1	DV4M*535	XOLS	02-OCT-96	09-OCT-96	<	10	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	UNK211	57M-96-11X	MD5711X1	DV4M*305	XOLS	02-OCT-96	09-OCT-96	<	10	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	XYLEN	57M-96-11X	MX5711X1	DV4M*535	XOLS	02-OCT-96	09-OCT-96	<	6.8	UGL	4.5
ABB-ES	VOLATILES/WATER/GCMS	UM20	XYLEN	57M-96-11X	MD5711X1	DV4M*305	XOLS	02-OCT-96	09-OCT-96	<	6.5	UGL	4.5

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1998 OFF-SITE LABORATORY DATA (SUPPLEMENTAL RI)

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1.0 INTRODUCTION

This Quality Control Summary Report (QCSR) provided a summary of quality control sample measurement associated with field sampling and analysis activities conducted during the 1998 Supplemental Field Investigation. Samples were analyzed at on-site and off-site laboratories. Data quality objectives and analytical methods for the 1998 investigation are the same as those described in Appendix D-2 and Appendix D-3 for the 1996 investigation. During the 1998 program, on-site analyses included only Total Recoverable Petroleum Hydrocarbon (TPHC) analysis. Off-site analyses included a subset of inorganics (As, Ba, Cu, Mn, Pb, Sb, Se, and Zn), volatile, semivolatiles, pesticides, PCBs, TPHC, and Total Suspended Solids.

2.0 OFF-SITE DATA QUALITY CONTROL REVIEW

Quality control sample data associated with the off-site analytical program include method blanks, field QC blanks (rinse blanks and trip blanks), field duplicates, matrix spike/matrix spike duplicates (MS/MSD). Surrogate recovery data for volatile, semivolatiles, pesticides, and PCB analyses were also reviewed. Data quality interpretations were based on Quality Control limits specified by USEPA (USEPA, 1994; USEPA, 1996; USEPA, 1989). With the exception of the items listed below, all analytical results generated during the field investigation met project QC goals and are usable without qualification. No results were rejected based on the QC review. A subset of results are considered estimated values.

2.1 METHOD BLANKS

Method blanks results are summarized in Table D-1 and Table D-2. With the exception of the semivolatile compound bis(2-ethylhexyl)phthalate at 29 ug/L, and the metal manganese at 11 µg/L, target analytes were not reported in aqueous method blanks. These results indicate the laboratory was free of laboratory introduced contamination for the majority of aqueous target analytes. Similar concentrations of bis(2-ethylhexyl)phthalate and manganese in aqueous samples may represent laboratory contamination.

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APPENDIX D-4

A small subset of target analytes were detected in soil method blanks including TPHC at 36.5 µg/g, barium (8.31 µg/g), manganese (21.2 µg/g), alpha-chlordane (.0058 - .0082 µg/g), gamma-chlordane (.0092 - .013 µg/g), diacetone alcohol as a semivolatile tentatively identified compound. With the exception of the above analytes, the laboratory soil analyses were free of laboratory introduced contamination. Similar concentrations of the analytes listed above in soil samples may represent laboratory introduced contamination.

2.2 RINSE BLANKS

Rinse blank results are summarized in Table D-3. With the exception of low concentrations of arsenic (2.93 µg/L) and manganese (6.28 µg/L), no other target analytes were detected in rinse blanks. These results indicate that field sampling processes did not contribute to sample contamination for the majority of target analytes. The low concentration of arsenic and manganese in the rinse blanks is not interpreted to have an impact on sample data usability.

2.3 TRIP BLANKS

Trip blank results are summarized in Table D-4. No target compounds were detected in any of the three trip blanks associated with this data set. These results indicate that no cross contamination of samples occurred during shipment and storage.

2.4 SURROGATE RECOVERIES

Surrogate data were reviewed for all volatile (Table D-5), semivolatile (Table D-6), and pesticide and PCB (Table D-7) analyses. Surrogate recoveries were compared to limits specified in the USEPA Contract Laboratory Program (CLP).

Volatiles

Surrogate recoveries for all aqueous samples were within CLP limits indicating usable results were obtained for all water samples. Surrogate recoveries were within limits for all soils with the exception of DX570600 (57D-98-06X) and DX570800 (57D-98-08X) which had high recoveries of one of three surrogates. No volatile target analytes were

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reported in sample DX570800. Results for benzene, chlorobenzene, and toluene in samples DX570600 are potentially biased high.

Semivolatiles

Surrogate recoveries for all soil/sediment samples were within CLP limits indicating usable results were obtained. With the exception of water samples WX570300 (57W-98-03X) and WX570400 (57W-98-04X), all surrogate recoveries for water samples met USEPA guidelines. Low recoveries (28% - 30%) were reported in two base/neutral surrogates for samples WX570300 (57W-98-03X) and WX570400 (57W-98-04X) indicating a low bias for base/neutral compounds in these samples. All non-detect and detected results for these samples are considered estimated and potentially biased low.

Pesticides

With the exception of water sample MX570200 (57W-98-02X), sediment sample DX570500 (57D-98-05X), and soil samples SX570302 (57S-98-03X) and SX570701 (57S-98-07X), all samples had surrogate recoveries within CLP limits. Low recoveries were observed in the samples listed above, and all results for pesticides in water sample MX570200 (57W-98-02X), sediment sample DX570500 (57D-98-05X), and soil samples SX570302 (57S-98-03X) and SX570701 (57S-98-07X) are considered estimated and potentially biased low.

PCBs

Surrogate recoveries for all soil/sediment samples were within CLP limits indicating usable results were obtained. With the exception of water sample WX570400 (57W-98-04X) with low recoveries (19% - 29%), all water sample recoveries were within CLP limits. All results for water sample WX570400 (57W-98-04X) are considered estimated and potentially biased low.

2.5 MATRIX SPIKE RESULTS

Matrix spike data were reviewed for TOC, TPHC, and inorganics (Table D-8). Recoveries for all spike analytes were within USEPA Region I limits of 75%-125% for inorganic parameters with the exception of TOC, arsenic, and antimony in soils. TOC recoveries were 130% and 206%. Arsenic recoveries ranged from 27% to 148%. The

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spike concentration of TOC and arsenic in the matrix spikes was relatively low compared to the concentrations reported in the original samples. No data use qualifications were applied to the TOC or arsenic data based on these results. Antimony recoveries in two sets of MS/MSD samples ranged from 33% - 56%. Based on these results all antimony soil results are for method JS16 are considered to be estimated and potentially biased low.

2.6 FIELD DUPLICATE RESULTS

One water duplicate MX5711XX and one soil duplicate SX570700 were collected during the 1998 program. Duplicate results are presented in Table D-9 and Table D-10. Relative percent difference (RPD) of results was compared to USEPA Region I goals of 30% for waters and 50% for soils.

Inorganics

All soil results were within USEPA limits. Results for barium and copper in water sample MX5711XX exceeded limits. Results for copper included detection at 8.54 µg/L and a non-detect at <5 µg/L. No data qualification was done because the detected concentration only slightly exceeded the reporting limit. Results for barium in all water samples should be considered estimated values.

Pesticides/PCBs

Results for all aqueous samples were reported as non-detects with agreement between duplicates for absence of contamination. Target analytes DDT and aroclor 1260 were reported in the soil duplicate with RPDs within USEPA limits indicating good precision.

Semivolatiles

No target compounds were reported in the soil duplicate pair. The compounds 1,2-dichlorobenzene, 1,4-dichlorobenzene, and naphthalene were detected in the aqueous samples. RPDs for all results exceeded the USEPA limits; however, concentrations were low (<7 µg/L) relative to reporting limits and no qualification of data was done based on these duplicate results.

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Volatiles

With the exception of acetone in the soil duplicate, no VOCs were reported in soil samples demonstrating agreement for the absence of contamination. Acetone was reported at a concentration slightly greater than the reporting limit, and it was not interpreted to be a site related compound.

A number of target compounds were reported in the water duplicate pair. Detections include 1,2,4-trimethylbenzene, ethylbenzene, xylenes, trichloroethene, and tetrachloroethene. All RPDs were within USEPA limits indicating excellent precision for the sample pair.

Total Suspended Solids

One aqueous duplicated pair was collected. An RPD of 191 was observed in the data set indicating a large difference in results. These data indicate that all TSS data should be considered estimated.

TPHC

One soil duplicated pair was collected. An RPD of 108 was observed in the data set indicating a large difference in results. These data indicate that all off-site soil TPHC data should be considered estimated.

2.7 TENTATIVELY IDENTIFIED COMPOUNDS (TICs)

A subset of samples had non-target compounds reported as tentatively identified compounds (TICs) in the VOA and SVOA data. TICs are summarized on Table D-11.

The majority of SVOA non-target compounds were reported as unknowns. TICs included alkanes (C16 -C29), β -sitosterol, and alpha-pinene. Sediment and soil samples contained numerous unknowns ranging in total concentration per sample from $<5 \mu\text{g/g}$ to $171 \mu\text{g/g}$. The β -sitosterol, and alpha-pinene are interpreted to represent natural organics. The alkanes and unknowns may represent fuel related contamination.

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No TICs were reported in VOA soils. A number of fuel related hydrocarbons were reported in aqueous samples including light alkanes, alkyl-substituted benzenes, and cyclohexanes which are indicators of possible gasoline contamination.

3.0 ONSITE DATA QUALITY CONTROL REVIEW

The 1998 field program included the on-site analysis of soil samples for Total Petroleum Hydrocarbons using a Modified USEPA Method 418.1 methodology. The data use objectives for the program was to provided data on the presence or absence of hydrocarbon contamination use in direction of the sampling program. Field data were used to locate explorations and select samples for off-site analysis. Data quality was assessed by evaluation of comparability of on-site results to split samples analyzed at the off-site laboratory.

3.1 DATA COMPARISON AND EVALUATION

Comparability of the data was evaluated to determine if results were usable for defining the presence/absence and relative concentrations of TPH using the on-site data. Relative percent difference (RPD) calculations were used to determine the comparability of the on-site/off-site results. Results of the on-site/off-site analyses are summarized on Tables I-4 and I-5.

Soil Matrix

Fourteen soil split samples were submitted for off-site TPH-IR analysis. Split sample data for TPH is presented for soil matrices on Table I -4

Sediment Matrix

Eight sediment samples were submitted for off-site TPH-IR analysis. Split sample data for TPH is presented for sediment matrices on Table I -5.

3.1.1 Split-Sample Comparison Conclusions

There was a high degree of correlation between the on-site and off-site laboratories relative to soil and sediment data. Comparison of the on-site/off-site soil results indicate

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that 100 percent of the calculated soil sample results agree within the 100 percent RPD requirement set forth by the USEPA for field duplicates (USEPA, 1996). The remaining two soil samples were a duplicate pair (570700) that was reported below the reporting limit of the on-site lab but had positive detections in the off-site lab. Evaluation of the on-site results indicate that the sample matrix had a high water content, 25 percent and 27 percent total solids. This was a probable interference in the modified extraction procedure utilized by the on-site laboratory. The percent difference of the off-site duplicate result was 70 percent. This demonstrates a notable variance for the off-site results, and implies a high degree of variation within the homogeneity of the sample matrix for this sample.

For sediment samples, 75 percent of calculated RPDs were within the USEPA field duplicate limits. Two samples that exceeded RPDs of 100 had higher concentrations reported at the on-site laboratory. These results indicate a possible high bias at the on-site laboratory.

Based on the split sample results, field TPH results are usable for the determination of presence/absence and relative concentrations of TPH in the soil and sediment media.

TABLE D-4 Soil Comparison

Sample ID	570101	570200	570302	570401	570503	570601	570700
On-site result	1000	1400	14000	680	3200	2500	<800
Off-site result	393	1200	14800	1150	1750	4620	6170
RPD	87	15	6	51	59	60	*
Sample ID	570700D	570701	570800	570900	571301	571401	571503
On-site result	<740	32000	<800	1500	1600	1200	<270
Off-site result	1830	17000	494	1930	951	895	<27.9
RPD	*	61	0	25	51	29	0

* Refer to "Split Sample Comparison Conclusions".

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TABLE D-5 Sediment Comparison

Sample ID	570100	570200	570300	570400	570500	570600	570700	570800
On-site result	2500	<31000	<1800	<1500	5500	<380	5500	<390
Off-site result	103	452	185	246	3540	160	200	109
RPD	184	0	0	0	43	0	186	0

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References:

- U.S. Environmental Protection Agency (USEPA), 1989. "Region 1 Laboratory Data Validation Functional Guidelines For Evaluating Inorganic Analyses"; Hazardous Site Evaluation Division; February 1989.
- U.S. Environmental Protection Agency (USEPA), 1994. "USEPA Contract Laboratory Program Statement of Work for Organic Analysis; OLM03.1; Office of Solid Waste and Emergency Response; EPA-540/R-94/073; August 1994.
- U.S. Environmental Protection Agency (USEPA), 1996. "Region 1 EPA-NE Data Validation Guidelines For Evaluating Environmental Analyses"; Quality Assurance Unit Staff; Office of Environmental Measurement and Evaluation; December 1996

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TABLE D-1

METHOD BLANKS (Soil)
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1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Flag	Unit
7		9060	TOC	ZEWU	12-JUN-98	12-JUN-98	360		UGG
7			TOC	ZEWU	12-JUN-98	12-JUN-98	360		UGG
ABB-ES		9071	TPHC	ZEQU	11-JUN-98	12-JUN-98	27.9		UGG
ABB-ES			TPHC	ZERU	10-JUN-98	11-JUN-98	27.9		UGG
ABB-ES			TPHC	ZESU	15-JUN-98	16-JUN-98	36.5 D		UGG
ABB-ES	METALS/SOIL/ICP-MS	J301	AS	PLYA	28-JUN-98	30-JUN-98	.25		UGG
ABB-ES	METALS/SOIL/ICP-MS		SE	PLYA	28-JUN-98	30-JUN-98	.25		UGG
ABB-ES	METALS/SOIL/ICP	JS16	BA	UBZJ	02-JUN-98	03-JUN-98	8.31		UGG
ABB-ES	METALS/SOIL/ICP		CU	UBZJ	02-JUN-98	03-JUN-98	.965		UGG
ABB-ES	METALS/SOIL/ICP		MN	UBZJ	02-JUN-98	03-JUN-98	21.2		UGG
ABB-ES	METALS/SOIL/ICP		PB	UBZJ	02-JUN-98	03-JUN-98	10.5		UGG
ABB-ES	METALS/SOIL/ICP		SB	UBZJ	02-JUN-98	03-JUN-98	7.14		UGG
ABB-ES	METALS/SOIL/ICP		SE	UBZJ	02-JUN-98	03-JUN-98	2.42 W		UGG
ABB-ES	METALS/SOIL/ICP		ZN	UBZJ	02-JUN-98	03-JUN-98	8.03		UGG
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	ABHC	UFLG	22-MAY-98	29-JUN-98	.00907 W		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		ABHC	UFMG	24-MAY-98	30-MAY-98	.00907		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		ABHC	UFNG	28-MAY-98	28-JUN-98	.00907		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		ACLDAN	UFLG	22-MAY-98	29-JUN-98	.00582 WZ		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		ACLDAN	UFMG	24-MAY-98	30-MAY-98	.00824 Z		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		ACLDAN	UFNG	28-MAY-98	28-JUN-98	.00735 Z		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		AENSLF	UFLG	22-MAY-98	29-JUN-98	.00602		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		AENSLF	UFMG	24-MAY-98	30-MAY-98	.00602		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		AENSLF	UFNG	28-MAY-98	28-JUN-98	.00602		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		ALDRN	UFLG	22-MAY-98	29-JUN-98	.00729		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		ALDRN	UFMG	24-MAY-98	30-MAY-98	.00729		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		ALDRN	UFNG	28-MAY-98	28-JUN-98	.00729		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		BBHC	UFLG	22-MAY-98	29-JUN-98	.00257 W		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		BBHC	UFMG	24-MAY-98	30-MAY-98	.00257		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		BBHC	UFNG	28-MAY-98	28-JUN-98	.00257		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		BENSLF	UFLG	22-MAY-98	29-JUN-98	.00663		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		BENSLF	UFMG	24-MAY-98	30-MAY-98	.00663		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		BENSLF	UFNG	28-MAY-98	28-JUN-98	.00663		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		DBHC	UFLG	22-MAY-98	29-JUN-98	.00555 W		UGG

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METHOD BLANKS (Soil)
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1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Flag	Unit
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	DBHC	UFG	24-MAY-98	30-MAY-98	.00555		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		DBHC	UFG	28-MAY-98	28-JUN-98	.00555		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		DLDRN	UFLG	22-MAY-98	29-JUN-98	.00629		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		DLDRN	UFG	24-MAY-98	30-MAY-98	.00629		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		DLDRN	UFG	28-MAY-98	28-JUN-98	.00629		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		DLDRN	UFLG	22-MAY-98	29-JUN-98	.00657		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		ENDRN	UFG	24-MAY-98	30-MAY-98	.00657		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		ENDRN	UFG	28-MAY-98	28-JUN-98	.00657		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		ENDRNA	UFLG	22-MAY-98	29-JUN-98	.024 W		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		ENDRNA	UFG	24-MAY-98	30-MAY-98	.024		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		ENDRNA	UFLG	28-MAY-98	28-JUN-98	.024	WT	UGG
ABB-ES	PESTICIDES/SOIL/GCEC		ENDRNK	UFLG	22-MAY-98	29-JUN-98	.024 T		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		ENDRNK	UFG	24-MAY-98	30-MAY-98	.024 T		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		ENDRNK	UFLG	28-MAY-98	28-JUN-98	.024 T		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		ESFS04	UFLG	22-MAY-98	29-JUN-98	.00763 W		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		ESFS04	UFG	24-MAY-98	30-MAY-98	.00763		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		ESFS04	UFLG	28-MAY-98	28-JUN-98	.00763		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		GCLDAN	UFLG	22-MAY-98	29-JUN-98	.00917 WZ		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		GCLDAN	UFG	24-MAY-98	30-MAY-98	.0126 Z		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		GCLDAN	UFLG	28-MAY-98	28-JUN-98	.0116 Z		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		HPCL	UFG	24-MAY-98	30-MAY-98	.00618		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		HPCL	UFLG	22-MAY-98	29-JUN-98	.00618		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		HPCL	UFG	28-MAY-98	28-JUN-98	.00618		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		HPCL	UFLG	22-MAY-98	29-JUN-98	.0062 W		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		HPCL	UFG	24-MAY-98	30-MAY-98	.0062		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		HPCL	UFLG	28-MAY-98	28-JUN-98	.0062		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		ISDR	UFLG	22-MAY-98	29-JUN-98	.00461		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		ISDR	UFG	24-MAY-98	30-MAY-98	.00461		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		ISDR	UFLG	28-MAY-98	28-JUN-98	.00461		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		LIN	UFLG	22-MAY-98	29-JUN-98	.00638		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		LIN	UFG	24-MAY-98	30-MAY-98	.00638		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		LIN	UFLG	28-MAY-98	28-JUN-98	.00638		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		MEXCLR	UFLG	22-MAY-98	29-JUN-98	.0711 W		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		MEXCLR	UFG	24-MAY-98	30-MAY-98	.0711		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		MEXCLR	UFLG	28-MAY-98	28-JUN-98	.0711		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PPDD	UFLG	22-MAY-98	29-JUN-98	.00826 W		UGG

TABLE D-1

METHOD BLANKS (Soil)
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1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Flag	Unit
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	PPDD	UFMG	24-MAY-98	30-MAY-98	.00826		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PPDD	UFMG	28-MAY-98	28-JUN-98	.00826		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PPDE	UFLG	22-MAY-98	29-JUN-98	.00765 W		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PPDE	UFMG	24-MAY-98	30-MAY-98	.00765		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PPDE	UFMG	28-MAY-98	28-JUN-98	.00765		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PPDT	UFLG	22-MAY-98	29-JUN-98	.00707		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PPDT	UFMG	24-MAY-98	30-MAY-98	.00707		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PPDT	UFMG	28-MAY-98	28-JUN-98	.00707		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		TXPHEN	UFLG	22-MAY-98	29-JUN-98	.444 W		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		TXPHEN	UFMG	24-MAY-98	30-MAY-98	.444		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		TXPHEN	UFMG	28-MAY-98	28-JUN-98	.444		UGG
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	PCB016	NGJI	22-MAY-98	04-JUN-98	.0666		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PCB016	NGJI	24-MAY-98	03-JUN-98	.0666		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PCB016	NGKI	28-MAY-98	14-JUN-98	.0666		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PCB221	NGJI	22-MAY-98	04-JUN-98	.082 WT		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PCB221	NGJI	24-MAY-98	03-JUN-98	.082 T		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PCB221	NGKI	28-MAY-98	14-JUN-98	.082 T		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PCB232	NGJI	22-MAY-98	04-JUN-98	.082 WT		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PCB232	NGJI	24-MAY-98	03-JUN-98	.082 T		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PCB232	NGKI	28-MAY-98	14-JUN-98	.082 T		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PCB242	NGJI	22-MAY-98	04-JUN-98	.082 WT		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PCB242	NGJI	24-MAY-98	03-JUN-98	.082 T		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PCB242	NGKI	28-MAY-98	14-JUN-98	.082 T		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PCB248	NGJI	22-MAY-98	04-JUN-98	.082 WT		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PCB248	NGJI	24-MAY-98	03-JUN-98	.082 T		UGG
ABB-ES	PESTICIDES/SOIL/GCEC	LM18	PCB254	NGKI	28-MAY-98	14-JUN-98	.082 T		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PCB254	NGJI	22-MAY-98	04-JUN-98	.082 WT		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PCB254	NGKI	28-MAY-98	14-JUN-98	.082 T		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PCB254	NGJI	24-MAY-98	03-JUN-98	.082 T		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PCB260	NGKI	28-MAY-98	14-JUN-98	.0804		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PCB260	NGJI	24-MAY-98	03-JUN-98	.0804		UGG
ABB-ES	PESTICIDES/SOIL/GCEC		PCB260	NGKI	28-MAY-98	14-JUN-98	.0804		UGG
ABB-ES	ORGANICS/SOIL/GCMS		124TCB	OEXL	22-MAY-98	28-MAY-98	.04 W		UGG
ABB-ES	ORGANICS/SOIL/GCMS		124TCB	OEYL	28-MAY-98	16-JUN-98	.04		UGG

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METHOD BLANKS (Soil)
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1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Flag	Unit
ABB-ES	ORGANICS/SOIL/GCMS	LM18	12DCB	OEYL	22-MAY-98	28-MAY-98	.11	W	UGG
ABB-ES	ORGANICS/SOIL/GCMS		12DCB	OEYL	28-MAY-98	16-JUN-98	.11		UGG
ABB-ES	ORGANICS/SOIL/GCMS		12DPH	OEYL	22-MAY-98	28-MAY-98	.14	WR	UGG
ABB-ES	ORGANICS/SOIL/GCMS		12DPH	OEYL	28-MAY-98	16-JUN-98	.14	R	UGG
ABB-ES	ORGANICS/SOIL/GCMS		13DCB	OEYL	22-MAY-98	28-MAY-98	.13	W	UGG
ABB-ES	ORGANICS/SOIL/GCMS		13DCB	OEYL	28-MAY-98	16-JUN-98	.13		UGG
ABB-ES	ORGANICS/SOIL/GCMS		14DCB	OEYL	22-MAY-98	28-MAY-98	.098	W	UGG
ABB-ES	ORGANICS/SOIL/GCMS		14DCB	OEYL	28-MAY-98	16-JUN-98	.098		UGG
ABB-ES	ORGANICS/SOIL/GCMS		245TCP	OEYL	22-MAY-98	28-MAY-98	.1	W	UGG
ABB-ES	ORGANICS/SOIL/GCMS		245TCP	OEYL	28-MAY-98	16-JUN-98	.1		UGG
ABB-ES	ORGANICS/SOIL/GCMS		246TCP	OEYL	22-MAY-98	28-MAY-98	.17	W	UGG
ABB-ES	ORGANICS/SOIL/GCMS		246TCP	OEYL	28-MAY-98	16-JUN-98	.17		UGG
ABB-ES	ORGANICS/SOIL/GCMS		246CLP	OEYL	22-MAY-98	28-MAY-98	.18	W	UGG
ABB-ES	ORGANICS/SOIL/GCMS		246CLP	OEYL	28-MAY-98	16-JUN-98	.18		UGG
ABB-ES	ORGANICS/SOIL/GCMS		246MPN	OEYL	22-MAY-98	28-MAY-98	.69	W	UGG
ABB-ES	ORGANICS/SOIL/GCMS		246MPN	OEYL	28-MAY-98	16-JUN-98	.69		UGG
ABB-ES	ORGANICS/SOIL/GCMS		246NP	OEYL	22-MAY-98	28-MAY-98	1.2	W	UGG
ABB-ES	ORGANICS/SOIL/GCMS		246NP	OEYL	28-MAY-98	16-JUN-98	1.2		UGG
ABB-ES	ORGANICS/SOIL/GCMS		246NT	OEYL	22-MAY-98	28-MAY-98	.14	W	UGG
ABB-ES	ORGANICS/SOIL/GCMS		246NT	OEYL	28-MAY-98	16-JUN-98	.14		UGG
ABB-ES	ORGANICS/SOIL/GCMS		260NT	OEYL	22-MAY-98	28-MAY-98	.085	W	UGG
ABB-ES	ORGANICS/SOIL/GCMS		260NT	OEYL	28-MAY-98	16-JUN-98	.085		UGG
ABB-ES	ORGANICS/SOIL/GCMS		2CLP	OEYL	22-MAY-98	28-MAY-98	.06	W	UGG
ABB-ES	ORGANICS/SOIL/GCMS		2CLP	OEYL	28-MAY-98	16-JUN-98	.06		UGG
ABB-ES	ORGANICS/SOIL/GCMS		2CNAP	OEYL	22-MAY-98	28-MAY-98	.036	W	UGG
ABB-ES	ORGANICS/SOIL/GCMS		2CNAP	OEYL	28-MAY-98	16-JUN-98	.036		UGG
ABB-ES	ORGANICS/SOIL/GCMS		2MNAP	OEYL	22-MAY-98	28-MAY-98	.049	W	UGG
ABB-ES	ORGANICS/SOIL/GCMS		2MNAP	OEYL	28-MAY-98	16-JUN-98	.049		UGG
ABB-ES	ORGANICS/SOIL/GCMS		2MP	OEYL	22-MAY-98	28-MAY-98	.029	W	UGG
ABB-ES	ORGANICS/SOIL/GCMS		2MP	OEYL	28-MAY-98	16-JUN-98	.029		UGG
ABB-ES	ORGANICS/SOIL/GCMS		2NANIL	OEYL	22-MAY-98	28-MAY-98	.062	W	UGG
ABB-ES	ORGANICS/SOIL/GCMS		2NANIL	OEYL	28-MAY-98	16-JUN-98	.062		UGG
ABB-ES	ORGANICS/SOIL/GCMS		2NP	OEYL	22-MAY-98	28-MAY-98	.14	W	UGG
ABB-ES	ORGANICS/SOIL/GCMS		2NP	OEYL	28-MAY-98	16-JUN-98	.14		UGG
ABB-ES	ORGANICS/SOIL/GCMS		330C8D	OEYL	22-MAY-98	28-MAY-98	6.3	W	UGG
ABB-ES	ORGANICS/SOIL/GCMS		330C8D	OEYL	28-MAY-98	16-JUN-98	6.3		UGG

TABLE D-1

METHOD BLANKS (Soil)
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Flag	Unit
ABB-ES	ORGANICS/Soil/GCMS	LM18	3NANIL	OEYL	22-MAY-98	28-MAY-98	.45	W	UGG
ABB-ES	ORGANICS/Soil/GCMS		3NANIL	OEYL	28-MAY-98	16-JUN-98	.45		UGG
ABB-ES	ORGANICS/Soil/GCMS		46N2C	OEYL	22-MAY-98	28-MAY-98	.55	W	UGG
ABB-ES	ORGANICS/Soil/GCMS		46N2C	OEYL	28-MAY-98	16-JUN-98	.55		UGG
ABB-ES	ORGANICS/Soil/GCMS		4BRPE	OEYL	22-MAY-98	28-MAY-98	.033	W	UGG
ABB-ES	ORGANICS/Soil/GCMS		4BRPE	OEYL	28-MAY-98	16-JUN-98	.033		UGG
ABB-ES	ORGANICS/Soil/GCMS		4CANIL	OEYL	22-MAY-98	28-MAY-98	.81	W	UGG
ABB-ES	ORGANICS/Soil/GCMS		4CANIL	OEYL	28-MAY-98	16-JUN-98	.81		UGG
ABB-ES	ORGANICS/Soil/GCMS		4CL3C	OEYL	22-MAY-98	28-MAY-98	.095	W	UGG
ABB-ES	ORGANICS/Soil/GCMS		4CL3C	OEYL	28-MAY-98	16-JUN-98	.095		UGG
ABB-ES	ORGANICS/Soil/GCMS		4CLPPE	OEYL	22-MAY-98	28-MAY-98	.033	W	UGG
ABB-ES	ORGANICS/Soil/GCMS		4CLPPE	OEYL	28-MAY-98	16-JUN-98	.033		UGG
ABB-ES	ORGANICS/Soil/GCMS		4NP	OEYL	22-MAY-98	28-MAY-98	.24	W	UGG
ABB-ES	ORGANICS/Soil/GCMS		4NP	OEYL	28-MAY-98	16-JUN-98	.24		UGG
ABB-ES	ORGANICS/Soil/GCMS		4NANIL	OEYL	22-MAY-98	28-MAY-98	.41	W	UGG
ABB-ES	ORGANICS/Soil/GCMS		4NANIL	OEYL	28-MAY-98	16-JUN-98	.41		UGG
ABB-ES	ORGANICS/Soil/GCMS		4NP	OEYL	22-MAY-98	28-MAY-98	1.4	W	UGG
ABB-ES	ORGANICS/Soil/GCMS		4NP	OEYL	28-MAY-98	16-JUN-98	1.4		UGG
ABB-ES	ORGANICS/Soil/GCMS		ABHC	OEYL	22-MAY-98	28-MAY-98	.27	WR	UGG
ABB-ES	ORGANICS/Soil/GCMS		ABHC	OEYL	28-MAY-98	16-JUN-98	.27	R	UGG
ABB-ES	ORGANICS/Soil/GCMS		ACLDAN	OEYL	22-MAY-98	28-MAY-98	.33	WR	UGG
ABB-ES	ORGANICS/Soil/GCMS		ACLDAN	OEYL	28-MAY-98	16-JUN-98	.33	R	UGG
ABB-ES	ORGANICS/Soil/GCMS		AENSLF	OEYL	22-MAY-98	28-MAY-98	.62	WR	UGG
ABB-ES	ORGANICS/Soil/GCMS		AENSLF	OEYL	28-MAY-98	16-JUN-98	.62	R	UGG
ABB-ES	ORGANICS/Soil/GCMS		ALDRN	OEYL	22-MAY-98	28-MAY-98	.33	R	UGG
ABB-ES	ORGANICS/Soil/GCMS		ALDRN	OEYL	28-MAY-98	16-JUN-98	.33	R	UGG
ABB-ES	ORGANICS/Soil/GCMS		ANAPNE	OEYL	22-MAY-98	28-MAY-98	.036	W	UGG
ABB-ES	ORGANICS/Soil/GCMS		ANAPNE	OEYL	28-MAY-98	16-JUN-98	.036		UGG
ABB-ES	ORGANICS/Soil/GCMS		ANAPYL	OEYL	22-MAY-98	28-MAY-98	.033	W	UGG
ABB-ES	ORGANICS/Soil/GCMS		ANAPYL	OEYL	28-MAY-98	16-JUN-98	.033		UGG
ABB-ES	ORGANICS/Soil/GCMS		ANTRC	OEYL	22-MAY-98	28-MAY-98	.033	W	UGG
ABB-ES	ORGANICS/Soil/GCMS		ANTRC	OEYL	28-MAY-98	16-JUN-98	.033		UGG
ABB-ES	ORGANICS/Soil/GCMS		BZCEXM	OEYL	22-MAY-98	28-MAY-98	.059	W	UGG
ABB-ES	ORGANICS/Soil/GCMS		BZCEXM	OEYL	28-MAY-98	16-JUN-98	.059		UGG
ABB-ES	ORGANICS/Soil/GCMS		BZCIPE	OEYL	22-MAY-98	28-MAY-98	.2	W	UGG
ABB-ES	ORGANICS/Soil/GCMS		BZCIPE	OEYL	28-MAY-98	16-JUN-98	.2		UGG

TABLE D-1

METHOD BLANKS (Soil)
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Flag	Unit
ABB-ES	ORGANICS/SOIL/GCMS	LM18	B2CLLE	OEYL	22-MAY-98	28-MAY-98	.033	W	UGG
ABB-ES	ORGANICS/SOIL/GCMS		B2CLLE	OEYL	28-MAY-98	16-JUN-98	.033		UGG
ABB-ES	ORGANICS/SOIL/GCMS		B2EHP	OEYL	22-MAY-98	28-MAY-98	.62	W	UGG
ABB-ES	ORGANICS/SOIL/GCMS		B2EHP	OEYL	28-MAY-98	16-JUN-98	.62		UGG
ABB-ES	ORGANICS/SOIL/GCMS		BAANTR	OEYL	22-MAY-98	28-MAY-98	.17	W	UGG
ABB-ES	ORGANICS/SOIL/GCMS		BAANTR	OEYL	28-MAY-98	16-JUN-98	.17		UGG
ABB-ES	ORGANICS/SOIL/GCMS		BAPYR	OEYL	22-MAY-98	28-MAY-98	.25	W	UGG
ABB-ES	ORGANICS/SOIL/GCMS		BAPYR	OEYL	28-MAY-98	16-JUN-98	.25		UGG
ABB-ES	ORGANICS/SOIL/GCMS		BBFANT	OEYL	22-MAY-98	28-MAY-98	.21	W	UGG
ABB-ES	ORGANICS/SOIL/GCMS		BBFANT	OEYL	28-MAY-98	16-JUN-98	.21		UGG
ABB-ES	ORGANICS/SOIL/GCMS		BBHC	OEYL	22-MAY-98	28-MAY-98	.27	WR	UGG
ABB-ES	ORGANICS/SOIL/GCMS		BBHC	OEYL	28-MAY-98	16-JUN-98	.27	R	UGG
ABB-ES	ORGANICS/SOIL/GCMS		BBZP	OEYL	22-MAY-98	28-MAY-98	.17	W	UGG
ABB-ES	ORGANICS/SOIL/GCMS		BBZP	OEYL	28-MAY-98	16-JUN-98	.17		UGG
ABB-ES	ORGANICS/SOIL/GCMS		BENSLF	OEYL	22-MAY-98	28-MAY-98	.62	WR	UGG
ABB-ES	ORGANICS/SOIL/GCMS		BENSLF	OEYL	28-MAY-98	16-JUN-98	.62	R	UGG
ABB-ES	ORGANICS/SOIL/GCMS		BENZID	OEYL	22-MAY-98	28-MAY-98	.85	WR	UGG
ABB-ES	ORGANICS/SOIL/GCMS		BENZID	OEYL	28-MAY-98	16-JUN-98	.85	R	UGG
ABB-ES	ORGANICS/SOIL/GCMS		BENZOA	OEYL	22-MAY-98	28-MAY-98	6.1	WR	UGG
ABB-ES	ORGANICS/SOIL/GCMS		BENZOA	OEYL	28-MAY-98	16-JUN-98	6.1	R	UGG
ABB-ES	ORGANICS/SOIL/GCMS		BGHIPY	OEYL	22-MAY-98	28-MAY-98	.25	W	UGG
ABB-ES	ORGANICS/SOIL/GCMS		BGHIPY	OEYL	28-MAY-98	16-JUN-98	.25		UGG
ABB-ES	ORGANICS/SOIL/GCMS		BKFANT	OEYL	22-MAY-98	28-MAY-98	.066	W	UGG
ABB-ES	ORGANICS/SOIL/GCMS		BKFANT	OEYL	28-MAY-98	16-JUN-98	.066		UGG
ABB-ES	ORGANICS/SOIL/GCMS		BZALC	OEYL	22-MAY-98	28-MAY-98	.19	W	UGG
ABB-ES	ORGANICS/SOIL/GCMS		BZALC	OEYL	28-MAY-98	16-JUN-98	.19		UGG
ABB-ES	ORGANICS/SOIL/GCMS		CARBZ	OEYL	22-MAY-98	28-MAY-98	.14	W	UGG
ABB-ES	ORGANICS/SOIL/GCMS		CARBZ	OEYL	28-MAY-98	16-JUN-98	.14		UGG
ABB-ES	ORGANICS/SOIL/GCMS		CHRY	OEYL	22-MAY-98	28-MAY-98	.12	W	UGG
ABB-ES	ORGANICS/SOIL/GCMS		CHRY	OEYL	28-MAY-98	16-JUN-98	.12		UGG
ABB-ES	ORGANICS/SOIL/GCMS		CL6BZ	OEYL	22-MAY-98	28-MAY-98	.033	W	UGG
ABB-ES	ORGANICS/SOIL/GCMS		CL6BZ	OEYL	28-MAY-98	16-JUN-98	.033		UGG
ABB-ES	ORGANICS/SOIL/GCMS		CL6CP	OEYL	22-MAY-98	28-MAY-98	6.2	W	UGG
ABB-ES	ORGANICS/SOIL/GCMS		CL6CP	OEYL	28-MAY-98	16-JUN-98	6.2		UGG
ABB-ES	ORGANICS/SOIL/GCMS		CL6CP	OEYL	22-MAY-98	28-MAY-98	.15	W	UGG
ABB-ES	ORGANICS/SOIL/GCMS		CL6CP	OEYL	28-MAY-98	16-JUN-98	.15		UGG
ABB-ES	ORGANICS/SOIL/GCMS		CL6ET	OEYL	22-MAY-98	28-MAY-98	.15		UGG
ABB-ES	ORGANICS/SOIL/GCMS		CL6ET	OEYL	28-MAY-98	16-JUN-98	.15		UGG

TABLE D-1

METHOD BLANKS (Soil)
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Flag	Unit
ABB-ES	ORGANICS/SOIL/GCMS	LM18	DBAHA	OEYL	22-MAY-98	28-MAY-98	.21	W	UGG
ABB-ES	ORGANICS/SOIL/GCMS		DBAHA	OEYL	28-MAY-98	16-JUN-98	.21		UGG
ABB-ES	ORGANICS/SOIL/GCMS		DBHC	OEYL	22-MAY-98	28-MAY-98	.27	MR	UGG
ABB-ES	ORGANICS/SOIL/GCMS		DBHC	OEYL	28-MAY-98	16-JUN-98	.27	R	UGG
ABB-ES	ORGANICS/SOIL/GCMS		DBZEUR	OEYL	22-MAY-98	28-MAY-98	.035	W	UGG
ABB-ES	ORGANICS/SOIL/GCMS		DBZEUR	OEYL	28-MAY-98	16-JUN-98	.035		UGG
ABB-ES	ORGANICS/SOIL/GCMS		DEP	OEYL	22-MAY-98	28-MAY-98	.24	W	UGG
ABB-ES	ORGANICS/SOIL/GCMS		DEP	OEYL	28-MAY-98	16-JUN-98	.24		UGG
ABB-ES	ORGANICS/SOIL/GCMS		DIACAL	OEYL	22-MAY-98	16-JUN-98	.3	WS	UGG
ABB-ES	ORGANICS/SOIL/GCMS		DLDRN	OEYL	28-MAY-98	28-MAY-98	.31	MR	UGG
ABB-ES	ORGANICS/SOIL/GCMS		DLDRN	OEYL	22-MAY-98	16-JUN-98	.31	R	UGG
ABB-ES	ORGANICS/SOIL/GCMS		DMP	OEYL	22-MAY-98	28-MAY-98	.17	W	UGG
ABB-ES	ORGANICS/SOIL/GCMS		DMP	OEYL	28-MAY-98	16-JUN-98	.17		UGG
ABB-ES	ORGANICS/SOIL/GCMS		DNP	OEYL	22-MAY-98	28-MAY-98	.061	W	UGG
ABB-ES	ORGANICS/SOIL/GCMS		DNP	OEYL	28-MAY-98	16-JUN-98	.061		UGG
ABB-ES	ORGANICS/SOIL/GCMS		DNOP	OEYL	22-MAY-98	28-MAY-98	.19	W	UGG
ABB-ES	ORGANICS/SOIL/GCMS		DNOP	OEYL	28-MAY-98	16-JUN-98	.19		UGG
ABB-ES	ORGANICS/SOIL/GCMS		ENDRN	OEYL	22-MAY-98	28-MAY-98	.45	MR	UGG
ABB-ES	ORGANICS/SOIL/GCMS		ENDRN	OEYL	28-MAY-98	16-JUN-98	.45	R	UGG
ABB-ES	ORGANICS/SOIL/GCMS		ENDRNA	OEYL	22-MAY-98	28-MAY-98	.53	MR	UGG
ABB-ES	ORGANICS/SOIL/GCMS		ENDRNA	OEYL	28-MAY-98	16-JUN-98	.53	R	UGG
ABB-ES	ORGANICS/SOIL/GCMS		ENDRNK	OEYL	22-MAY-98	28-MAY-98	.53	MR	UGG
ABB-ES	ORGANICS/SOIL/GCMS		ENDRNK	OEYL	28-MAY-98	16-JUN-98	.53	R	UGG
ABB-ES	ORGANICS/SOIL/GCMS		ESFS04	OEYL	22-MAY-98	28-MAY-98	.62	MR	UGG
ABB-ES	ORGANICS/SOIL/GCMS		ESFS04	OEYL	28-MAY-98	16-JUN-98	.62	R	UGG
ABB-ES	ORGANICS/SOIL/GCMS		FANT	OEYL	22-MAY-98	28-MAY-98	.068	W	UGG
ABB-ES	ORGANICS/SOIL/GCMS		FANT	OEYL	28-MAY-98	16-JUN-98	.068		UGG
ABB-ES	ORGANICS/SOIL/GCMS		FLRENE	OEYL	22-MAY-98	28-MAY-98	.033	W	UGG
ABB-ES	ORGANICS/SOIL/GCMS		FLRENE	OEYL	28-MAY-98	16-JUN-98	.033		UGG
ABB-ES	ORGANICS/SOIL/GCMS		GLCLDAN	OEYL	22-MAY-98	28-MAY-98	.33	RW	UGG
ABB-ES	ORGANICS/SOIL/GCMS		GLCLDAN	OEYL	28-MAY-98	16-JUN-98	.33	R	UGG
ABB-ES	ORGANICS/SOIL/GCMS		GLCLDAN	OEYL	22-MAY-98	28-MAY-98	.23	W	UGG
ABB-ES	ORGANICS/SOIL/GCMS		HCBD	OEYL	28-MAY-98	16-JUN-98	.23		UGG
ABB-ES	ORGANICS/SOIL/GCMS		HPCL	OEYL	22-MAY-98	28-MAY-98	.13	MR	UGG
ABB-ES	ORGANICS/SOIL/GCMS		HPCL	OEYL	28-MAY-98	16-JUN-98	.13	R	UGG
ABB-ES	ORGANICS/SOIL/GCMS		HPCL	OEYL	22-MAY-98	28-MAY-98	.33	RW	UGG

TABLE D-1

METHOD BLANKS (Soil)
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot Date	Prep Date	Analysis Date	Value	Flag	Unit
ABB-ES	ORGANICS/SOIL/GCMS	LM18	HPCL	OEYL	28-MAY-98	16-JUN-98	.33 R		UGG
ABB-ES	ORGANICS/SOIL/GCMS		ICDPYR	OEYL	22-MAY-98	28-MAY-98	.29 W		UGG
ABB-ES	ORGANICS/SOIL/GCMS		ISOPHR	OEYL	28-MAY-98	16-JUN-98	.29		UGG
ABB-ES	ORGANICS/SOIL/GCMS		ISOPHR	OEYL	22-MAY-98	28-MAY-98	.033 W		UGG
ABB-ES	ORGANICS/SOIL/GCMS		ISOPHR	OEYL	28-MAY-98	16-JUN-98	.033		UGG
ABB-ES	ORGANICS/SOIL/GCMS		LIN	OEYL	28-MAY-98	28-MAY-98	.27 RW		UGG
ABB-ES	ORGANICS/SOIL/GCMS		LIN	OEYL	28-MAY-98	16-JUN-98	.27 R		UGG
ABB-ES	ORGANICS/SOIL/GCMS		MEXCLR	OEYL	22-MAY-98	28-MAY-98	.33 RW		UGG
ABB-ES	ORGANICS/SOIL/GCMS		MEXCLR	OEYL	28-MAY-98	16-JUN-98	.33 R		UGG
ABB-ES	ORGANICS/SOIL/GCMS		NAP	OEYL	22-MAY-98	28-MAY-98	.037 W		UGG
ABB-ES	ORGANICS/SOIL/GCMS		NAP	OEYL	28-MAY-98	16-JUN-98	.037		UGG
ABB-ES	ORGANICS/SOIL/GCMS		NB	OEYL	22-MAY-98	28-MAY-98	.045 W		UGG
ABB-ES	ORGANICS/SOIL/GCMS		NB	OEYL	28-MAY-98	16-JUN-98	.14 RW		UGG
ABB-ES	ORGANICS/SOIL/GCMS		NNDMEA	OEYL	22-MAY-98	28-MAY-98	.14 R		UGG
ABB-ES	ORGANICS/SOIL/GCMS		NNDMEA	OEYL	28-MAY-98	16-JUN-98	.2 W		UGG
ABB-ES	ORGANICS/SOIL/GCMS		NNDNPA	OEYL	22-MAY-98	28-MAY-98	.2		UGG
ABB-ES	ORGANICS/SOIL/GCMS		NNDNPA	OEYL	28-MAY-98	16-JUN-98	.19 W		UGG
ABB-ES	ORGANICS/SOIL/GCMS		NNDPA	OEYL	22-MAY-98	28-MAY-98	.19		UGG
ABB-ES	ORGANICS/SOIL/GCMS		PCB016	OEYL	28-MAY-98	28-MAY-98	1.4 RW		UGG
ABB-ES	ORGANICS/SOIL/GCMS		PCB016	OEYL	22-MAY-98	16-JUN-98	1.4 R		UGG
ABB-ES	ORGANICS/SOIL/GCMS		PCB221	OEYL	28-MAY-98	28-MAY-98	1.4 RW		UGG
ABB-ES	ORGANICS/SOIL/GCMS		PCB221	OEYL	22-MAY-98	16-JUN-98	1.4 R		UGG
ABB-ES	ORGANICS/SOIL/GCMS		PCB232	OEYL	28-MAY-98	28-MAY-98	1.4 RW		UGG
ABB-ES	ORGANICS/SOIL/GCMS		PCB232	OEYL	22-MAY-98	16-JUN-98	1.4 R		UGG
ABB-ES	ORGANICS/SOIL/GCMS		PCB242	OEYL	28-MAY-98	28-MAY-98	1.4 RW		UGG
ABB-ES	ORGANICS/SOIL/GCMS		PCB242	OEYL	22-MAY-98	16-JUN-98	1.4 R		UGG
ABB-ES	ORGANICS/SOIL/GCMS		PCB248	OEYL	28-MAY-98	28-MAY-98	2 RW		UGG
ABB-ES	ORGANICS/SOIL/GCMS		PCB248	OEYL	22-MAY-98	16-JUN-98	2 R		UGG
ABB-ES	ORGANICS/SOIL/GCMS		PCB254	OEYL	28-MAY-98	28-MAY-98	2.3 RW		UGG
ABB-ES	ORGANICS/SOIL/GCMS		PCB254	OEYL	22-MAY-98	16-JUN-98	2.3 R		UGG
ABB-ES	ORGANICS/SOIL/GCMS		PCB260	OEYL	28-MAY-98	28-MAY-98	2.6 WR		UGG
ABB-ES	ORGANICS/SOIL/GCMS		PCB260	OEYL	22-MAY-98	16-JUN-98	2.6 R		UGG
ABB-ES	ORGANICS/SOIL/GCMS		PCP	OEYL	28-MAY-98	28-MAY-98	1.3 W		UGG
ABB-ES	ORGANICS/SOIL/GCMS		PCP	OEYL	22-MAY-98	16-JUN-98	1.3		UGG
ABB-ES	ORGANICS/SOIL/GCMS		PHANTR	OEYL	22-MAY-98	28-MAY-98	.033 W		UGG

TABLE D-1

METHOD BLANKS (Soil)
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Flag	Unit
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHANTR	OEYL	28-MAY-98	16-JUN-98	.033		UGG
ABB-ES	ORGANICS/SOIL/GCMS		PHENOL	OEYL	22-MAY-98	28-MAY-98	.11 W		UGG
ABB-ES	ORGANICS/SOIL/GCMS		PPDD	OEYL	28-MAY-98	16-JUN-98	.11		UGG
ABB-ES	ORGANICS/SOIL/GCMS		PPDD	OEYL	22-MAY-98	28-MAY-98	.27 MR		UGG
ABB-ES	ORGANICS/SOIL/GCMS		PPDD	OEYL	28-MAY-98	16-JUN-98	.27 R		UGG
ABB-ES	ORGANICS/SOIL/GCMS		PPDE	OEYL	22-MAY-98	28-MAY-98	.31 RW		UGG
ABB-ES	ORGANICS/SOIL/GCMS		PPDE	OEYL	28-MAY-98	16-JUN-98	.31 R		UGG
ABB-ES	ORGANICS/SOIL/GCMS		PPDT	OEYL	22-MAY-98	28-MAY-98	.31 MR		UGG
ABB-ES	ORGANICS/SOIL/GCMS		PPDT	OEYL	28-MAY-98	16-JUN-98	.31 R		UGG
ABB-ES	ORGANICS/SOIL/GCMS		PYR	OEYL	22-MAY-98	28-MAY-98	.033 W		UGG
ABB-ES	ORGANICS/SOIL/GCMS		PYR	OEYL	28-MAY-98	16-JUN-98	.033		UGG
ABB-ES	ORGANICS/SOIL/GCMS		TXPHEN	OEYL	22-MAY-98	28-MAY-98	2.6 RW		UGG
ABB-ES	ORGANICS/SOIL/GCMS		TXPHEN	OEYL	28-MAY-98	16-JUN-98	2.6 R		UGG
ABB-ES	VOLATILES/SOIL/GCMS	LM19	11TCE	YGOL	28-MAY-98	28-MAY-98	.0044 W		UGG
ABB-ES	VOLATILES/SOIL/GCMS		11TCE	YGOL	28-MAY-98	28-MAY-98	.0054 W		UGG
ABB-ES	VOLATILES/SOIL/GCMS		1DCE	YGOL	28-MAY-98	28-MAY-98	.0039 W		UGG
ABB-ES	VOLATILES/SOIL/GCMS		1DCE	YGOL	28-MAY-98	28-MAY-98	.0023 W		UGG
ABB-ES	VOLATILES/SOIL/GCMS		1DCE	YGOL	28-MAY-98	28-MAY-98	.003 W		UGG
ABB-ES	VOLATILES/SOIL/GCMS		1DCE	YGOL	28-MAY-98	28-MAY-98	.0017 W		UGG
ABB-ES	VOLATILES/SOIL/GCMS		1DCE	YGOL	28-MAY-98	28-MAY-98	.0029 W		UGG
ABB-ES	VOLATILES/SOIL/GCMS		1DCE	YGOL	28-MAY-98	28-MAY-98	.01 MR		UGG
ABB-ES	VOLATILES/SOIL/GCMS		2CCE	YGOL	28-MAY-98	28-MAY-98	.017 W		UGG
ABB-ES	VOLATILES/SOIL/GCMS		ACET	YGOL	28-MAY-98	28-MAY-98	.1 MR		UGG
ABB-ES	VOLATILES/SOIL/GCMS		ACROLN	YGOL	28-MAY-98	28-MAY-98	.1 MR		UGG
ABB-ES	VOLATILES/SOIL/GCMS		ACRYLO	YGOL	28-MAY-98	28-MAY-98	.0029 W		UGG
ABB-ES	VOLATILES/SOIL/GCMS		BRDCLM	YGOL	28-MAY-98	28-MAY-98	.0032 W		UGG
ABB-ES	VOLATILES/SOIL/GCMS		C130CP	YGOL	28-MAY-98	28-MAY-98	.032 W		UGG
ABB-ES	VOLATILES/SOIL/GCMS		C2AVE	YGOL	28-MAY-98	28-MAY-98	.0062 W		UGG
ABB-ES	VOLATILES/SOIL/GCMS		C2H3CL	YGOL	28-MAY-98	28-MAY-98	.012 W		UGG
ABB-ES	VOLATILES/SOIL/GCMS		C2H5CL	YGOL	28-MAY-98	28-MAY-98	.0015 W		UGG
ABB-ES	VOLATILES/SOIL/GCMS		C6H6	YGOL	28-MAY-98	28-MAY-98	.0059 W		UGG
ABB-ES	VOLATILES/SOIL/GCMS		CCL3F	YGOL	28-MAY-98	28-MAY-98	.007 W		UGG
ABB-ES	VOLATILES/SOIL/GCMS		CCL4	YGOL	28-MAY-98	28-MAY-98	.012 W		UGG
ABB-ES	VOLATILES/SOIL/GCMS		CH2CL2	YGOL	28-MAY-98	28-MAY-98	.0057 W		UGG
ABB-ES	VOLATILES/SOIL/GCMS		CH3BR	YGOL	28-MAY-98	28-MAY-98	.0088 W		UGG
ABB-ES	VOLATILES/SOIL/GCMS		CH3CL	YGOL	28-MAY-98	28-MAY-98			UGG

TABLE D-1

METHOD BLANKS (Soil)
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot Date	Prep Date	Analysis Date	Value	Flag	Unit
ABB-ES	VOLATILES/SOIL/GCMS	LM19	CHBR3	YGOL	28-MAY-98	28-MAY-98	.0069 W		UGG
ABB-ES	VOLATILES/SOIL/GCMS		CHCL3	YGOL	28-MAY-98	28-MAY-98	.00087 W		UGG
ABB-ES	VOLATILES/SOIL/GCMS		CL2BZ	YGOL	28-MAY-98	28-MAY-98	.1 WR		UGG
ABB-ES	VOLATILES/SOIL/GCMS		CLC6H5	YGOL	28-MAY-98	28-MAY-98	.00086 W		UGG
ABB-ES	VOLATILES/SOIL/GCMS		CS2	YGOL	28-MAY-98	28-MAY-98	.0044 W		UGG
ABB-ES	VOLATILES/SOIL/GCMS		DBRCLM	YGOL	28-MAY-98	28-MAY-98	.0031 W		UGG
ABB-ES	VOLATILES/SOIL/GCMS		ETC6H5	YGOL	28-MAY-98	28-MAY-98	.0017 W		UGG
ABB-ES	VOLATILES/SOIL/GCMS		MEC6H5	YGOL	28-MAY-98	28-MAY-98	.00078 W		UGG
ABB-ES	VOLATILES/SOIL/GCMS		MEK	YGOL	28-MAY-98	28-MAY-98	.07 W		UGG
ABB-ES	VOLATILES/SOIL/GCMS		MIBK	YGOL	28-MAY-98	28-MAY-98	.027 W		UGG
ABB-ES	VOLATILES/SOIL/GCMS		MNBK	YGOL	28-MAY-98	28-MAY-98	.032 W		UGG
ABB-ES	VOLATILES/SOIL/GCMS		STYR	YGOL	28-MAY-98	28-MAY-98	.0026 W		UGG
ABB-ES	VOLATILES/SOIL/GCMS		T130CP	YGOL	28-MAY-98	28-MAY-98	.0028 W		UGG
ABB-ES	VOLATILES/SOIL/GCMS		TCLEA	YGOL	28-MAY-98	28-MAY-98	.0024 W		UGG
ABB-ES	VOLATILES/SOIL/GCMS		TCLEE	YGOL	28-MAY-98	28-MAY-98	.00081 W		UGG
ABB-ES	VOLATILES/SOIL/GCMS		TRCLE	YGOL	28-MAY-98	28-MAY-98	.0028 W		UGG
ABB-ES	VOLATILES/SOIL/GCMS		XYLEN	YGOL	28-MAY-98	28-MAY-98	.0015 W		UGG

TABLE D-2

METHOD BLANKS (Water)
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Flag	Unit
ABB-ES		1602	TSS	YLME	27-MAY-98	27-MAY-98	4000		UGL
ABB-ES			TSS	YLME	02-JUN-98	02-JUN-98	4000		UGL
ABB-ES	METALS/WATER/ICP-MS	S303	AS	OKNB	28-JUN-98	30-JUN-98	1		UGL
?	METALS/WATER/ICP-MS		AS	OKPB	10-AUG-98	12-AUG-98	1		UGL
?	METALS/WATER/ICP-MS		PB	OKRB	28-JUN-98	29-OCT-98	1		UGL
?	METALS/WATER/ICP-MS		PB	OKSB	28-JUN-98	12-NOV-98	1		UGL
?	METALS/WATER/ICP-MS		SB	OKRB	28-JUN-98	29-OCT-98	1		UGL
?	METALS/WATER/ICP-MS		SB	OKSB	28-JUN-98	12-NOV-98	1		UGL
?	METALS/WATER/ICP-MS		SE	OKRB	28-JUN-98	29-OCT-98	2		UGL
?	METALS/WATER/ICP-MS		SE	OKSB	28-JUN-98	12-NOV-98	2		UGL
ABB-ES	METALS/WATER/ICP	SS18	BA	OGHG	01-JUN-98	03-JUN-98	2.5		UGL
ABB-ES	METALS/WATER/ICP		CU	OGHG	01-JUN-98	03-JUN-98	5		UGL
ABB-ES	METALS/WATER/ICP		MN	OGHG	01-JUN-98	03-JUN-98	11 W		UGL
ABB-ES	METALS/WATER/ICP		MN	OGJG	08-JUN-98	09-JUN-98	2.5		UGL
ABB-ES	METALS/WATER/ICP		PB	OGHG	01-JUN-98	03-JUN-98	50		UGL
ABB-ES	METALS/WATER/ICP		SB	OGHG	01-JUN-98	03-JUN-98	50		UGL
ABB-ES	METALS/WATER/ICP		SE	OGHG	01-JUN-98	03-JUN-98	50		UGL
ABB-ES	METALS/WATER/ICP		ZN	OGHG	01-JUN-98	03-JUN-98	35.8		UGL
ABB-ES	PESTICIDES/WATER/GCEC	UH02	PCB016	SDUG	26-MAY-98	02-JUN-98	.16		UGL
?	PESTICIDES/WATER/GCEC		PCB016	SDVG	28-MAY-98	02-JUN-98	.16		UGL
ABB-ES	PESTICIDES/WATER/GCEC		PCB016	SDMG	01-JUN-98	24-JUN-98	.16		UGL
ABB-ES	PESTICIDES/WATER/GCEC		PCB016	SDXG	08-JUL-98	23-JUL-98	.16		UGL
ABB-ES	PESTICIDES/WATER/GCEC		PCB221	SDUG	26-MAY-98	02-JUN-98	.16 T		UGL
?	PESTICIDES/WATER/GCEC		PCB221	SDVG	28-MAY-98	02-JUN-98	.16 T		UGL
ABB-ES	PESTICIDES/WATER/GCEC		PCB221	SDMG	01-JUN-98	24-JUN-98	.16 WT		UGL
ABB-ES	PESTICIDES/WATER/GCEC		PCB232	SDUG	26-MAY-98	02-JUN-98	.16 T		UGL
ABB-ES	PESTICIDES/WATER/GCEC		PCB232	SDVG	28-MAY-98	02-JUN-98	.16 T		UGL
ABB-ES	PESTICIDES/WATER/GCEC		PCB232	SDMG	01-JUN-98	24-JUN-98	.16 WT		UGL
ABB-ES	PESTICIDES/WATER/GCEC		PCB242	SDUG	26-MAY-98	02-JUN-98	.16 T		UGL
ABB-ES	PESTICIDES/WATER/GCEC		PCB242	SDVG	28-MAY-98	02-JUN-98	.19 T		UGL
?	PESTICIDES/WATER/GCEC		PCB242	SDMG	01-JUN-98	24-JUN-98	.19 WT		UGL
ABB-ES	PESTICIDES/WATER/GCEC		PCB242	SDXG	08-JUL-98	23-JUL-98	.19 T		UGL
ABB-ES	PESTICIDES/WATER/GCEC		PCB248	SDUG	26-MAY-98	02-JUN-98	.19 T		UGL
?	PESTICIDES/WATER/GCEC		PCB248	SDVG	28-MAY-98	02-JUN-98	.19 T		UGL

TABLE D-2

METHOD BLANKS (Water)
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Flag	Unit
ABB-ES	PESTICIDES/WATER/GCEC	UH02	PCB248	SDWG	01-JUN-98	24-JUN-98	<		UGL
ABB-ES	PESTICIDES/WATER/GCEC		PCB248	SDXG	08-JUL-98	23-JUL-98	<	.19 WT	UGL
ABB-ES	PESTICIDES/WATER/GCEC		PCB254	SDUG	26-MAY-98	02-JUN-98	<	.19 T	UGL
7	PESTICIDES/WATER/GCEC		PCB254	SDVG	28-MAY-98	02-JUN-98	<	.19 T	UGL
ABB-ES	PESTICIDES/WATER/GCEC		PCB254	SDWG	01-JUN-98	24-JUN-98	<	.19 WT	UGL
ABB-ES	PESTICIDES/WATER/GCEC		PCB254	SDXG	08-JUL-98	23-JUL-98	<	.19 T	UGL
ABB-ES	PESTICIDES/WATER/GCEC		PCB260	SDUG	26-MAY-98	02-JUN-98	<	.19	UGL
7	PESTICIDES/WATER/GCEC		PCB260	SDVG	28-MAY-98	02-JUN-98	<	.19	UGL
ABB-ES	PESTICIDES/WATER/GCEC		PCB260	SDWG	01-JUN-98	24-JUN-98	<	.19	UGL
ABB-ES	PESTICIDES/WATER/GCEC		PCB260	SDXG	08-JUL-98	23-JUL-98	<	.19	UGL
ABB-ES	PESTICIDES/WATER/GCEC	UH13	ABHC	TDNI	28-MAY-98	27-JUN-98	<	.0385	UGL
ABB-ES	PESTICIDES/WATER/GCEC		ABHC	TD01	01-JUN-98	27-JUN-98	<	.0385 W	UGL
ABB-ES	PESTICIDES/WATER/GCEC		ACLDAN	TDNI	28-MAY-98	27-JUN-98	<	.075 T	UGL
ABB-ES	PESTICIDES/WATER/GCEC		ACLDAN	TD01	01-JUN-98	27-JUN-98	<	.075 WT	UGL
ABB-ES	PESTICIDES/WATER/GCEC		AENSLF	TDNI	28-MAY-98	27-JUN-98	<	.023	UGL
ABB-ES	PESTICIDES/WATER/GCEC		AENSLF	TD01	01-JUN-98	27-JUN-98	<	.023	UGL
ABB-ES	PESTICIDES/WATER/GCEC		ALDRN	TDNI	28-MAY-98	27-JUN-98	<	.0918	UGL
ABB-ES	PESTICIDES/WATER/GCEC		ALDRN	TD01	01-JUN-98	27-JUN-98	<	.0918 W	UGL
ABB-ES	PESTICIDES/WATER/GCEC		BBHC	TDNI	28-MAY-98	27-JUN-98	<	.024	UGL
ABB-ES	PESTICIDES/WATER/GCEC		BBHC	TD01	01-JUN-98	27-JUN-98	<	.024 W	UGL
ABB-ES	PESTICIDES/WATER/GCEC		BENSLF	TDNI	28-MAY-98	27-JUN-98	<	.023	UGL
ABB-ES	PESTICIDES/WATER/GCEC		BENSLF	TD01	01-JUN-98	27-JUN-98	<	.023	UGL
ABB-ES	PESTICIDES/WATER/GCEC		DBHC	TDNI	28-MAY-98	27-JUN-98	<	.0293	UGL
ABB-ES	PESTICIDES/WATER/GCEC		DBHC	TD01	01-JUN-98	27-JUN-98	<	.0293 W	UGL
ABB-ES	PESTICIDES/WATER/GCEC		DLDRN	TDNI	28-MAY-98	27-JUN-98	<	.024	UGL
ABB-ES	PESTICIDES/WATER/GCEC		DLDRN	TD01	01-JUN-98	27-JUN-98	<	.024	UGL
ABB-ES	PESTICIDES/WATER/GCEC		ENDRN	TDNI	28-MAY-98	27-JUN-98	<	.0238	UGL
ABB-ES	PESTICIDES/WATER/GCEC		ENDRN	TD01	01-JUN-98	27-JUN-98	<	.0238	UGL
ABB-ES	PESTICIDES/WATER/GCEC		ENDRNA	TDNI	28-MAY-98	27-JUN-98	<	.0285	UGL
ABB-ES	PESTICIDES/WATER/GCEC		ENDRNA	TD01	01-JUN-98	27-JUN-98	<	.0285 W	UGL
ABB-ES	PESTICIDES/WATER/GCEC		ENDRNK	TDNI	28-MAY-98	27-JUN-98	<	.0285 T	UGL
ABB-ES	PESTICIDES/WATER/GCEC		ENDRNK	TD01	01-JUN-98	27-JUN-98	<	.0285 WT	UGL
ABB-ES	PESTICIDES/WATER/GCEC		ESFS04	TDNI	28-MAY-98	27-JUN-98	<	.0786	UGL
ABB-ES	PESTICIDES/WATER/GCEC		ESFS04	TD01	01-JUN-98	27-JUN-98	<	.0786 W	UGL
ABB-ES	PESTICIDES/WATER/GCEC		GCLDAN	TDNI	28-MAY-98	27-JUN-98	<	.075 T	UGL
ABB-ES	PESTICIDES/WATER/GCEC		GCLDAN	TD01	01-JUN-98	27-JUN-98	<	.075 WT	UGL
ABB-ES	PESTICIDES/WATER/GCEC		HPCL	TDNI	28-MAY-98	27-JUN-98	<	.0423	UGL
ABB-ES	PESTICIDES/WATER/GCEC		HPCL	TD01	01-JUN-98	27-JUN-98	<	.0423	UGL

TABLE D-2

METHOD BLANKS (Water)
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Flag	Unit
ABB-ES	PESTICIDES/WATER/GCEC	UH13	HPCLE	TDNI	28-MAY-98	27-JUN-98	.0245		UGL
ABB-ES	PESTICIDES/WATER/GCEC		HPCLE	TDNI	01-JUN-98	27-JUN-98	.0245 W		UGL
ABB-ES	PESTICIDES/WATER/GCEC		ISODR	TDNI	28-MAY-98	27-JUN-98	.0562		UGL
ABB-ES	PESTICIDES/WATER/GCEC		ISODR	TDNI	01-JUN-98	27-JUN-98	.0562		UGL
ABB-ES	PESTICIDES/WATER/GCEC		LIN	TDNI	28-MAY-98	27-JUN-98	.0507		UGL
ABB-ES	PESTICIDES/WATER/GCEC		LIN	TDNI	01-JUN-98	27-JUN-98	.0507		UGL
ABB-ES	PESTICIDES/WATER/GCEC		MEXCLR	TDNI	28-MAY-98	27-JUN-98	.057 W		UGL
ABB-ES	PESTICIDES/WATER/GCEC		MEXCLR	TDNI	01-JUN-98	27-JUN-98	.057 W		UGL
ABB-ES	PESTICIDES/WATER/GCEC		PPDD	TDNI	28-MAY-98	27-JUN-98	.0233		UGL
ABB-ES	PESTICIDES/WATER/GCEC		PPDD	TDNI	01-JUN-98	27-JUN-98	.0233 W		UGL
ABB-ES	PESTICIDES/WATER/GCEC		PPDE	TDNI	28-MAY-98	27-JUN-98	.027 W		UGL
ABB-ES	PESTICIDES/WATER/GCEC		PPDE	TDNI	01-JUN-98	27-JUN-98	.027 W		UGL
ABB-ES	PESTICIDES/WATER/GCEC		PPDDT	TDNI	28-MAY-98	27-JUN-98	.034		UGL
ABB-ES	PESTICIDES/WATER/GCEC		PPDDT	TDNI	01-JUN-98	27-JUN-98	.034		UGL
ABB-ES	PESTICIDES/WATER/GCEC		TXPHEN	TDNI	28-MAY-98	27-JUN-98	1.35		UGL
ABB-ES	PESTICIDES/WATER/GCEC		TXPHEN	TDNI	01-JUN-98	27-JUN-98	1.35 W		UGL
ABB-ES	ORGANICS/WATER/GCMS	UM18	124TCB	WDHO	28-MAY-98	15-JUN-98	1.8		UGL
ABB-ES	ORGANICS/WATER/GCMS		124TCB	WDHO	01-JUN-98	16-JUN-98	1.8		UGL
ABB-ES	ORGANICS/WATER/GCMS		124TCB	WDHO	28-MAY-98	15-JUN-98	1.7		UGL
ABB-ES	ORGANICS/WATER/GCMS		124TCB	WDHO	01-JUN-98	16-JUN-98	1.7 W		UGL
ABB-ES	ORGANICS/WATER/GCMS		124TCB	WDHO	28-MAY-98	15-JUN-98	2 R		UGL
ABB-ES	ORGANICS/WATER/GCMS		124TCB	WDHO	01-JUN-98	16-JUN-98	2 W		UGL
ABB-ES	ORGANICS/WATER/GCMS		124TCB	WDHO	28-MAY-98	15-JUN-98	1.7		UGL
ABB-ES	ORGANICS/WATER/GCMS		124TCB	WDHO	01-JUN-98	16-JUN-98	1.7 W		UGL
ABB-ES	ORGANICS/WATER/GCMS		124TCB	WDHO	28-MAY-98	15-JUN-98	1.7		UGL
ABB-ES	ORGANICS/WATER/GCMS		124TCB	WDHO	01-JUN-98	16-JUN-98	1.7		UGL
ABB-ES	ORGANICS/WATER/GCMS		124TCB	WDHO	28-MAY-98	15-JUN-98	5.2		UGL
ABB-ES	ORGANICS/WATER/GCMS		124TCB	WDHO	01-JUN-98	16-JUN-98	5.2 W		UGL
ABB-ES	ORGANICS/WATER/GCMS		124TCB	WDHO	28-MAY-98	15-JUN-98	4.2		UGL
ABB-ES	ORGANICS/WATER/GCMS		124TCB	WDHO	01-JUN-98	16-JUN-98	4.2 W		UGL
ABB-ES	ORGANICS/WATER/GCMS		124TCB	WDHO	28-MAY-98	15-JUN-98	2.9		UGL
ABB-ES	ORGANICS/WATER/GCMS		124TCB	WDHO	01-JUN-98	16-JUN-98	2.9 W		UGL
ABB-ES	ORGANICS/WATER/GCMS		124TCB	WDHO	28-MAY-98	15-JUN-98	5.8		UGL
ABB-ES	ORGANICS/WATER/GCMS		124TCB	WDHO	01-JUN-98	16-JUN-98	5.8 W		UGL
ABB-ES	ORGANICS/WATER/GCMS		124TCB	WDHO	28-MAY-98	15-JUN-98	21		UGL

TABLE D-2

METHOD BLANKS (Water)
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Flag	Unit
ABB-ES	ORGANICS/WATER/GCMS	UM18	24DNP	WDIO	01-JUN-98	16-JUN-98	21	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		24DNT	WDHO	28-MAY-98	15-JUN-98	4.5		UGL
ABB-ES	ORGANICS/WATER/GCMS		24DNT	WDIO	01-JUN-98	16-JUN-98	4.5		UGL
ABB-ES	ORGANICS/WATER/GCMS		26DNT	WDHO	28-MAY-98	15-JUN-98	.79		UGL
ABB-ES	ORGANICS/WATER/GCMS		26DNT	WDIO	01-JUN-98	16-JUN-98	.79	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		26DNT	WDHO	28-MAY-98	15-JUN-98	.99		UGL
ABB-ES	ORGANICS/WATER/GCMS		26DNT	WDIO	01-JUN-98	16-JUN-98	.99		UGL
ABB-ES	ORGANICS/WATER/GCMS		26DNT	WDHO	28-MAY-98	15-JUN-98	.5		UGL
ABB-ES	ORGANICS/WATER/GCMS		26DNT	WDIO	01-JUN-98	16-JUN-98	.5	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		26DNT	WDHO	28-MAY-98	15-JUN-98	1.7		UGL
ABB-ES	ORGANICS/WATER/GCMS		26DNT	WDIO	01-JUN-98	16-JUN-98	1.7	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		26DNT	WDHO	28-MAY-98	15-JUN-98	3.9		UGL
ABB-ES	ORGANICS/WATER/GCMS		26DNT	WDIO	01-JUN-98	16-JUN-98	3.9	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		26DNT	WDHO	28-MAY-98	15-JUN-98	4.3		UGL
ABB-ES	ORGANICS/WATER/GCMS		26DNT	WDIO	01-JUN-98	16-JUN-98	4.3	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		26DNT	WDHO	28-MAY-98	15-JUN-98	3.7		UGL
ABB-ES	ORGANICS/WATER/GCMS		26DNT	WDIO	01-JUN-98	16-JUN-98	3.7	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		26DNT	WDHO	28-MAY-98	15-JUN-98	12		UGL
ABB-ES	ORGANICS/WATER/GCMS		26DNT	WDIO	01-JUN-98	16-JUN-98	12	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		26DNT	WDHO	28-MAY-98	15-JUN-98	4.9		UGL
ABB-ES	ORGANICS/WATER/GCMS		26DNT	WDIO	01-JUN-98	16-JUN-98	4.9	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		26DNT	WDHO	28-MAY-98	15-JUN-98	17		UGL
ABB-ES	ORGANICS/WATER/GCMS		26DNT	WDIO	01-JUN-98	16-JUN-98	17	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		26DNT	WDHO	28-MAY-98	15-JUN-98	4.2		UGL
ABB-ES	ORGANICS/WATER/GCMS		26DNT	WDIO	01-JUN-98	16-JUN-98	4.2	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		26DNT	WDHO	28-MAY-98	15-JUN-98	7.3		UGL
ABB-ES	ORGANICS/WATER/GCMS		26DNT	WDIO	01-JUN-98	16-JUN-98	7.3	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		26DNT	WDHO	28-MAY-98	15-JUN-98	4		UGL
ABB-ES	ORGANICS/WATER/GCMS		26DNT	WDIO	01-JUN-98	16-JUN-98	4		UGL
ABB-ES	ORGANICS/WATER/GCMS		26DNT	WDHO	28-MAY-98	15-JUN-98	5.1		UGL
ABB-ES	ORGANICS/WATER/GCMS		26DNT	WDIO	01-JUN-98	16-JUN-98	5.1	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		26DNT	WDHO	28-MAY-98	15-JUN-98	.52		UGL
ABB-ES	ORGANICS/WATER/GCMS		26DNT	WDIO	01-JUN-98	16-JUN-98	.52	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		26DNT	WDHO	28-MAY-98	15-JUN-98	5.2		UGL
ABB-ES	ORGANICS/WATER/GCMS		26DNT	WDIO	01-JUN-98	16-JUN-98	5.2	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		26DNT	WDHO	28-MAY-98	15-JUN-98	12		UGL

TABLE D-2

METHOD BLANKS (Water)
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1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Flag	Unit
ABB-ES	ORGANICS/WATER/GCMS	UM18	4NP	WD10	01-JUN-98	16-JUN-98	12		UGL
ABB-ES	ORGANICS/WATER/GCMS		ABHC	WDHO	28-MAY-98	15-JUN-98	4 R		UGL
ABB-ES	ORGANICS/WATER/GCMS		ABHC	WD10	01-JUN-98	16-JUN-98	4 MR		UGL
ABB-ES	ORGANICS/WATER/GCMS		ACLDAN	WDHO	28-MAY-98	15-JUN-98	5.1 R		UGL
ABB-ES	ORGANICS/WATER/GCMS		ACLDAN	WD10	01-JUN-98	16-JUN-98	5.1 MR		UGL
ABB-ES	ORGANICS/WATER/GCMS		AENSLF	WDHO	28-MAY-98	15-JUN-98	9.2 R		UGL
ABB-ES	ORGANICS/WATER/GCMS		AENSLF	WD10	01-JUN-98	16-JUN-98	9.2 MR		UGL
ABB-ES	ORGANICS/WATER/GCMS		ALDRN	WDHO	28-MAY-98	15-JUN-98	4.7 R		UGL
ABB-ES	ORGANICS/WATER/GCMS		ALDRN	WD10	01-JUN-98	16-JUN-98	4.7 MR		UGL
ABB-ES	ORGANICS/WATER/GCMS		ANAPNE	WDHO	28-MAY-98	15-JUN-98	1.7		UGL
ABB-ES	ORGANICS/WATER/GCMS		ANAPNE	WD10	01-JUN-98	16-JUN-98	1.7		UGL
ABB-ES	ORGANICS/WATER/GCMS		ANAPYL	WDHO	28-MAY-98	15-JUN-98	.5	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		ANAPYL	WD10	01-JUN-98	16-JUN-98	.5		UGL
ABB-ES	ORGANICS/WATER/GCMS		ANTRC	WDHO	28-MAY-98	15-JUN-98	.5	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		ANTRC	WD10	01-JUN-98	16-JUN-98	.5		UGL
ABB-ES	ORGANICS/WATER/GCMS		B2CEXM	WDHO	28-MAY-98	15-JUN-98	1.5	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		B2CEXM	WD10	01-JUN-98	16-JUN-98	1.5		UGL
ABB-ES	ORGANICS/WATER/GCMS		B2CIPE	WDHO	28-MAY-98	15-JUN-98	5.3	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		B2CIPE	WD10	01-JUN-98	16-JUN-98	5.3		UGL
ABB-ES	ORGANICS/WATER/GCMS		B2CLEE	WDHO	28-MAY-98	15-JUN-98	1.9		UGL
ABB-ES	ORGANICS/WATER/GCMS		B2CLEE	WD10	01-JUN-98	16-JUN-98	1.9	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		B2EHP	WDHO	28-MAY-98	15-JUN-98	29		UGL
ABB-ES	ORGANICS/WATER/GCMS		B2EHP	WD10	01-JUN-98	16-JUN-98	4.8	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		BAANTR	WDHO	28-MAY-98	15-JUN-98	1.6		UGL
ABB-ES	ORGANICS/WATER/GCMS		BAANTR	WD10	01-JUN-98	16-JUN-98	1.6	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		BAPYR	WDHO	28-MAY-98	15-JUN-98	4.7		UGL
ABB-ES	ORGANICS/WATER/GCMS		BAPYR	WD10	01-JUN-98	16-JUN-98	4.7	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		BBFANT	WDHO	28-MAY-98	15-JUN-98	5.4		UGL
ABB-ES	ORGANICS/WATER/GCMS		BBFANT	WD10	01-JUN-98	16-JUN-98	5.4	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		BBHC	WDHO	28-MAY-98	15-JUN-98	4 R		UGL
ABB-ES	ORGANICS/WATER/GCMS		BBHC	WD10	01-JUN-98	16-JUN-98	4	RW	UGL
ABB-ES	ORGANICS/WATER/GCMS		BBZP	WDHO	28-MAY-98	15-JUN-98	3.4		UGL
ABB-ES	ORGANICS/WATER/GCMS		BBZP	WD10	01-JUN-98	16-JUN-98	3.4	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		BENSLF	WDHO	28-MAY-98	15-JUN-98	9.2 R		UGL
ABB-ES	ORGANICS/WATER/GCMS		BENSLF	WD10	01-JUN-98	16-JUN-98	9.2	RW	UGL
ABB-ES	ORGANICS/WATER/GCMS		BENZID	WDHO	28-MAY-98	15-JUN-98	10	R	UGL

TABLE D-2

METHOD BLANKS (Water)
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1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Flag	Unit
ABB-ES	ORGANICS/WATER/GCMS	UM18	BENZID	WDIO	01-JUN-98	16-JUN-98	10	NR	UGL
ABB-ES	ORGANICS/WATER/GCMS		BENZO	WDHO	28-MAY-98	15-JUN-98	13		UGL
ABB-ES	ORGANICS/WATER/GCMS		BENZO	WDIO	01-JUN-98	16-JUN-98	13	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		BHIPPY	WDHO	28-MAY-98	15-JUN-98	6.1		UGL
ABB-ES	ORGANICS/WATER/GCMS		BHIPPY	WDIO	01-JUN-98	16-JUN-98	6.1	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		BKFANT	WDHO	28-MAY-98	15-JUN-98	.87		UGL
ABB-ES	ORGANICS/WATER/GCMS		BKFANT	WDIO	01-JUN-98	16-JUN-98	.87	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		BZALC	WDHO	28-MAY-98	15-JUN-98	.72		UGL
ABB-ES	ORGANICS/WATER/GCMS		BZALC	WDIO	01-JUN-98	16-JUN-98	.72	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		CARBZ	WDHO	28-MAY-98	15-JUN-98	2		UGL
ABB-ES	ORGANICS/WATER/GCMS		CARBZ	WDIO	01-JUN-98	16-JUN-98	2	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		CHRY	WDHO	28-MAY-98	15-JUN-98	2.4		UGL
ABB-ES	ORGANICS/WATER/GCMS		CHRY	WDIO	01-JUN-98	16-JUN-98	2.4	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		CL6BZ	WDHO	28-MAY-98	15-JUN-98	1.6		UGL
ABB-ES	ORGANICS/WATER/GCMS		CL6BZ	WDIO	01-JUN-98	16-JUN-98	1.6	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		CL6CP	WDHO	28-MAY-98	15-JUN-98	8.6		UGL
ABB-ES	ORGANICS/WATER/GCMS		CL6CP	WDIO	01-JUN-98	16-JUN-98	8.6	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		CL6ET	WDHO	28-MAY-98	15-JUN-98	1.5		UGL
ABB-ES	ORGANICS/WATER/GCMS		CL6ET	WDIO	01-JUN-98	16-JUN-98	1.5	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		DBAHA	WDHO	28-MAY-98	15-JUN-98	6.5		UGL
ABB-ES	ORGANICS/WATER/GCMS		DBAHA	WDIO	01-JUN-98	16-JUN-98	6.5	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		DBHC	WDHO	28-MAY-98	15-JUN-98	4		UGL
ABB-ES	ORGANICS/WATER/GCMS		DBHC	WDIO	01-JUN-98	16-JUN-98	4	NR	UGL
ABB-ES	ORGANICS/WATER/GCMS		DBZFUR	WDHO	28-MAY-98	15-JUN-98	1.7		UGL
ABB-ES	ORGANICS/WATER/GCMS		DBZFUR	WDIO	01-JUN-98	16-JUN-98	1.7	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		DEP	WDHO	28-MAY-98	15-JUN-98	2		UGL
ABB-ES	ORGANICS/WATER/GCMS		DEP	WDIO	01-JUN-98	16-JUN-98	2	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		DLDNR	WDHO	28-MAY-98	15-JUN-98	4.7		UGL
ABB-ES	ORGANICS/WATER/GCMS		DLDNR	WDIO	01-JUN-98	16-JUN-98	4.7	NR	UGL
ABB-ES	ORGANICS/WATER/GCMS		DNP	WDHO	28-MAY-98	15-JUN-98	1.5		UGL
ABB-ES	ORGANICS/WATER/GCMS		DNP	WDIO	01-JUN-98	16-JUN-98	1.5	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		DNP	WDHO	28-MAY-98	15-JUN-98	3.7		UGL
ABB-ES	ORGANICS/WATER/GCMS		DNP	WDIO	01-JUN-98	16-JUN-98	3.7	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		DNOP	WDHO	28-MAY-98	15-JUN-98	15		UGL
ABB-ES	ORGANICS/WATER/GCMS		DNOP	WDIO	01-JUN-98	16-JUN-98	15	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		ENDRN	WDHO	28-MAY-98	15-JUN-98	7.6		UGL
ABB-ES	ORGANICS/WATER/GCMS		ENDRN	WDIO	01-JUN-98	16-JUN-98	7.6	R	UGL

TABLE D-2

METHOD BLANKS (Water)
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1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Flag	Unit
ABB-ES	ORGANICS/WATER/GCMS	UM18	ENDRN	WDIO 01-JUN-98	16-JUN-98	<	7.6	RW	UGL
ABB-ES	ORGANICS/WATER/GCMS		ENDRNA	WDHO 28-MAY-98	15-JUN-98	<	8	R	UGL
ABB-ES	ORGANICS/WATER/GCMS		ENDRNA	WDIO 01-JUN-98	16-JUN-98	<	8	RW	UGL
ABB-ES	ORGANICS/WATER/GCMS		ENDRNK	WDHO 28-MAY-98	15-JUN-98	<	8	R	UGL
ABB-ES	ORGANICS/WATER/GCMS		ENDRNK	WDIO 01-JUN-98	16-JUN-98	<	8	RW	UGL
ABB-ES	ORGANICS/WATER/GCMS		ESFS04	WDHO 28-MAY-98	15-JUN-98	<	9.2	R	UGL
ABB-ES	ORGANICS/WATER/GCMS		ESFS04	WDIO 01-JUN-98	16-JUN-98	<	9.2	RW	UGL
ABB-ES	ORGANICS/WATER/GCMS		FANT	WDHO 28-MAY-98	15-JUN-98	<	3.3		UGL
ABB-ES	ORGANICS/WATER/GCMS		FANT	WDIO 01-JUN-98	16-JUN-98	<	3.3	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		FLRENE	WDHO 28-MAY-98	15-JUN-98	<	3.7		UGL
ABB-ES	ORGANICS/WATER/GCMS		FLRENE	WDIO 01-JUN-98	16-JUN-98	<	3.7	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		GLCDAN	WDHO 28-MAY-98	15-JUN-98	<	5.1	R	UGL
ABB-ES	ORGANICS/WATER/GCMS		GLCDAN	WDIO 01-JUN-98	16-JUN-98	<	5.1	RW	UGL
ABB-ES	ORGANICS/WATER/GCMS		HCB0	WDHO 28-MAY-98	15-JUN-98	<	3.4		UGL
ABB-ES	ORGANICS/WATER/GCMS		HCB0	WDIO 01-JUN-98	16-JUN-98	<	3.4	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		HPCL	WDHO 28-MAY-98	15-JUN-98	<	2	RW	UGL
ABB-ES	ORGANICS/WATER/GCMS		HPCL	WDIO 01-JUN-98	16-JUN-98	<	2	R	UGL
ABB-ES	ORGANICS/WATER/GCMS		HPCL	WDHO 28-MAY-98	15-JUN-98	<	5	R	UGL
ABB-ES	ORGANICS/WATER/GCMS		HPCL	WDIO 01-JUN-98	16-JUN-98	<	5	WR	UGL
ABB-ES	ORGANICS/WATER/GCMS		ICOPYR	WDHO 28-MAY-98	15-JUN-98	<	8.6		UGL
ABB-ES	ORGANICS/WATER/GCMS		ICOPYR	WDIO 01-JUN-98	16-JUN-98	<	8.6	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		ISOPHR	WDHO 28-MAY-98	15-JUN-98	<	4.8		UGL
ABB-ES	ORGANICS/WATER/GCMS		ISOPHR	WDIO 01-JUN-98	16-JUN-98	<	4.8	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		LIN	WDHO 28-MAY-98	15-JUN-98	<	4	R	UGL
ABB-ES	ORGANICS/WATER/GCMS		LIN	WDIO 01-JUN-98	16-JUN-98	<	4	MR	UGL
ABB-ES	ORGANICS/WATER/GCMS		MEXCLR	WDHO 28-MAY-98	15-JUN-98	<	5.1	R	UGL
ABB-ES	ORGANICS/WATER/GCMS		MEXCLR	WDIO 01-JUN-98	16-JUN-98	<	5.1	RW	UGL
ABB-ES	ORGANICS/WATER/GCMS		NAP	WDHO 28-MAY-98	15-JUN-98	<	.5		UGL
ABB-ES	ORGANICS/WATER/GCMS		NAP	WDIO 01-JUN-98	16-JUN-98	<	.5	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		NB	WDHO 28-MAY-98	15-JUN-98	<	.5		UGL
ABB-ES	ORGANICS/WATER/GCMS		NB	WDIO 01-JUN-98	16-JUN-98	<	.5	W	UGL
ABB-ES	ORGANICS/WATER/GCMS		NB	WDHO 28-MAY-98	15-JUN-98	<	2	R	UGL
ABB-ES	ORGANICS/WATER/GCMS		NB	WDIO 01-JUN-98	16-JUN-98	<	2	RW	UGL
ABB-ES	ORGANICS/WATER/GCMS		NNDMEA	WDHO 28-MAY-98	15-JUN-98	<	4.4		UGL
ABB-ES	ORGANICS/WATER/GCMS		NNDMEA	WDIO 01-JUN-98	16-JUN-98	<	4.4		UGL
ABB-ES	ORGANICS/WATER/GCMS		NNDNPA	WDHO 28-MAY-98	15-JUN-98	<	4.4		UGL
ABB-ES	ORGANICS/WATER/GCMS		NNDNPA	WDIO 01-JUN-98	16-JUN-98	<	4.4		UGL
ABB-ES	ORGANICS/WATER/GCMS		NNDNPA	WDHO 28-MAY-98	15-JUN-98	<	3		UGL

TABLE D-2

METHOD BLANKS (Water)
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1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Flag	Unit
ABB-ES	ORGANICS/WATER/GCMS	UM18	NNDPA	WD10	01-JUN-98	16-JUN-98	<		UGL
ABB-ES	ORGANICS/WATER/GCMS		PCB016	WDHO	28-MAY-98	15-JUN-98	<	3 W	UGL
ABB-ES	ORGANICS/WATER/GCMS		PCB016	WD10	01-JUN-98	16-JUN-98	<	21 R	UGL
ABB-ES	ORGANICS/WATER/GCMS		PCB221	WDHO	28-MAY-98	15-JUN-98	<	21 R	UGL
ABB-ES	ORGANICS/WATER/GCMS		PCB221	WD10	01-JUN-98	16-JUN-98	<	21 WR	UGL
ABB-ES	ORGANICS/WATER/GCMS		PCB232	WDHO	28-MAY-98	15-JUN-98	<	21 R	UGL
ABB-ES	ORGANICS/WATER/GCMS		PCB232	WD10	01-JUN-98	16-JUN-98	<	21 WR	UGL
ABB-ES	ORGANICS/WATER/GCMS		PCB242	WDHO	28-MAY-98	15-JUN-98	<	30 R	UGL
ABB-ES	ORGANICS/WATER/GCMS		PCB242	WD10	01-JUN-98	16-JUN-98	<	30 WR	UGL
ABB-ES	ORGANICS/WATER/GCMS		PCB248	WDHO	28-MAY-98	15-JUN-98	<	30 R	UGL
ABB-ES	ORGANICS/WATER/GCMS		PCB248	WD10	01-JUN-98	16-JUN-98	<	30 RW	UGL
ABB-ES	ORGANICS/WATER/GCMS		PCB254	WDHO	28-MAY-98	15-JUN-98	<	36 R	UGL
ABB-ES	ORGANICS/WATER/GCMS		PCB254	WD10	01-JUN-98	16-JUN-98	<	36 RW	UGL
ABB-ES	ORGANICS/WATER/GCMS		PCB260	WDHO	28-MAY-98	15-JUN-98	<	36 R	UGL
ABB-ES	ORGANICS/WATER/GCMS		PCB260	WD10	01-JUN-98	16-JUN-98	<	36 WR	UGL
ABB-ES	ORGANICS/WATER/GCMS		PCP	WDHO	28-MAY-98	15-JUN-98	<	18	UGL
ABB-ES	ORGANICS/WATER/GCMS		PCP	WD10	01-JUN-98	16-JUN-98	<	18	UGL
ABB-ES	ORGANICS/WATER/GCMS		PHANTR	WDHO	28-MAY-98	15-JUN-98	<	5	UGL
ABB-ES	ORGANICS/WATER/GCMS		PHANTR	WD10	01-JUN-98	16-JUN-98	<	.5 W	UGL
ABB-ES	ORGANICS/WATER/GCMS		PHENOL	WDHO	28-MAY-98	15-JUN-98	<	9.2	UGL
ABB-ES	ORGANICS/WATER/GCMS		PHENOL	WD10	01-JUN-98	16-JUN-98	<	9.2	UGL
ABB-ES	ORGANICS/WATER/GCMS		PPDD	WDHO	28-MAY-98	15-JUN-98	<	4 R	UGL
ABB-ES	ORGANICS/WATER/GCMS		PPDD	WD10	01-JUN-98	16-JUN-98	<	4 WR	UGL
ABB-ES	ORGANICS/WATER/GCMS	UM20	PPDE	WDHO	28-MAY-98	15-JUN-98	<	4.7 R	UGL
ABB-ES	ORGANICS/WATER/GCMS		PPDE	WD10	01-JUN-98	16-JUN-98	<	4.7 RW	UGL
ABB-ES	ORGANICS/WATER/GCMS		PPDDT	WDHO	28-MAY-98	15-JUN-98	<	9.2 R	UGL
ABB-ES	ORGANICS/WATER/GCMS		PPDDT	WD10	01-JUN-98	16-JUN-98	<	9.2 RW	UGL
ABB-ES	ORGANICS/WATER/GCMS		PYR	WDHO	28-MAY-98	15-JUN-98	<	2.8	UGL
ABB-ES	ORGANICS/WATER/GCMS		PYR	WD10	01-JUN-98	16-JUN-98	<	2.8	UGL
ABB-ES	ORGANICS/WATER/GCMS		TXPHEN	WDHO	28-MAY-98	15-JUN-98	<	36 R	UGL
ABB-ES	ORGANICS/WATER/GCMS		TXPHEN	WD10	01-JUN-98	16-JUN-98	<	36 RW	UGL
ABB-ES	VOLATILES/WATER/GCMS		111TCE	XDGV	03-JUN-98	03-JUN-98	<	.5 W	UGL
ABB-ES	VOLATILES/WATER/GCMS		112TCE	XDGV	03-JUN-98	03-JUN-98	<	1.2 W	UGL
ABB-ES	VOLATILES/WATER/GCMS		11DCLE	XDGV	03-JUN-98	03-JUN-98	<	.5	UGL
ABB-ES	VOLATILES/WATER/GCMS		11DCLE	XDGV	03-JUN-98	03-JUN-98	<	.68 W	UGL

TABLE D-2

METHOD BLANKS (Water)
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	Value	Flag	Unit
ABB-ES	VOLATILES/WATER/GCMS	UM20	12DCE	XDGV	03-JUN-98	03-JUN-98	.5 W		UGL
ABB-ES	VOLATILES/WATER/GCMS		12DCE	XDGV	03-JUN-98	03-JUN-98	.5 W		UGL
ABB-ES	VOLATILES/WATER/GCMS		12DCLP	XDGV	03-JUN-98	03-JUN-98	.5 W		UGL
ABB-ES	VOLATILES/WATER/GCMS		2CLEVE	XDGV	03-JUN-98	03-JUN-98	.71 W		UGL
ABB-ES	VOLATILES/WATER/GCMS		ACET	XDGV	03-JUN-98	03-JUN-98	13 W		UGL
ABB-ES	VOLATILES/WATER/GCMS		ACROLN	XDGV	03-JUN-98	03-JUN-98	100 WR		UGL
ABB-ES	VOLATILES/WATER/GCMS		ACRYLO	XDGV	03-JUN-98	03-JUN-98	100 WR		UGL
ABB-ES	VOLATILES/WATER/GCMS		BRDCLM	XDGV	03-JUN-98	03-JUN-98	.59 W		UGL
ABB-ES	VOLATILES/WATER/GCMS		C13DCP	XDGV	03-JUN-98	03-JUN-98	.58 W		UGL
ABB-ES	VOLATILES/WATER/GCMS		C2AVE	XDGV	03-JUN-98	03-JUN-98	8.3 W		UGL
ABB-ES	VOLATILES/WATER/GCMS		C2H5CL	XDGV	03-JUN-98	03-JUN-98	2.6 W		UGL
ABB-ES	VOLATILES/WATER/GCMS		C2H5CL	XDGV	03-JUN-98	03-JUN-98	1.9 W		UGL
ABB-ES	VOLATILES/WATER/GCMS		C6H6	XDGV	03-JUN-98	03-JUN-98	.5		UGL
ABB-ES	VOLATILES/WATER/GCMS		CCL3F	XDGV	03-JUN-98	03-JUN-98	1.4 W		UGL
ABB-ES	VOLATILES/WATER/GCMS		CCL4	XDGV	03-JUN-98	03-JUN-98	.58 W		UGL
ABB-ES	VOLATILES/WATER/GCMS		CH2CL2	XDGV	03-JUN-98	03-JUN-98	2.3 W		UGL
ABB-ES	VOLATILES/WATER/GCMS		CH3BR	XDGV	03-JUN-98	03-JUN-98	5.8 W		UGL
ABB-ES	VOLATILES/WATER/GCMS		CH3CL	XDGV	03-JUN-98	03-JUN-98	3.2 W		UGL
ABB-ES	VOLATILES/WATER/GCMS		CHBR3	XDGV	03-JUN-98	03-JUN-98	2.6 W		UGL
ABB-ES	VOLATILES/WATER/GCMS		CHCL3	XDGV	03-JUN-98	03-JUN-98	.5 W		UGL
ABB-ES	VOLATILES/WATER/GCMS		CL2BZ	XDGV	03-JUN-98	03-JUN-98	10 WR		UGL
ABB-ES	VOLATILES/WATER/GCMS		CLC6H5	XDGV	03-JUN-98	03-JUN-98	.5		UGL
ABB-ES	VOLATILES/WATER/GCMS		CS2	XDGV	03-JUN-98	03-JUN-98	.5 W		UGL
ABB-ES	VOLATILES/WATER/GCMS		DBRCLM	XDGV	03-JUN-98	03-JUN-98	.67 W		UGL
ABB-ES	VOLATILES/WATER/GCMS		ETC6H5	XDGV	03-JUN-98	03-JUN-98	.5 W		UGL
ABB-ES	VOLATILES/WATER/GCMS		MEC6H5	XDGV	03-JUN-98	03-JUN-98	.5		UGL
ABB-ES	VOLATILES/WATER/GCMS		MEK	XDGV	03-JUN-98	03-JUN-98	6.4 W		UGL
ABB-ES	VOLATILES/WATER/GCMS		MIBK	XDGV	03-JUN-98	03-JUN-98	3 W		UGL
ABB-ES	VOLATILES/WATER/GCMS		MNBK	XDGV	03-JUN-98	03-JUN-98	3.6 W		UGL
ABB-ES	VOLATILES/WATER/GCMS		STYR	XDGV	03-JUN-98	03-JUN-98	.5 W		UGL
ABB-ES	VOLATILES/WATER/GCMS		T13DCP	XDGV	03-JUN-98	03-JUN-98	.7 W		UGL
ABB-ES	VOLATILES/WATER/GCMS		TCLEA	XDGV	03-JUN-98	03-JUN-98	.51 W		UGL
ABB-ES	VOLATILES/WATER/GCMS		TCLEE	XDGV	03-JUN-98	03-JUN-98	1.6 W		UGL
ABB-ES	VOLATILES/WATER/GCMS		TRCLE	XDGV	03-JUN-98	03-JUN-98	.5		UGL
ABB-ES	VOLATILES/WATER/GCMS		XYLEN	XDGV	03-JUN-98	03-JUN-98	.84 W		UGL

TABLE D-3

RINSE BLANKS
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS Method Code	IRDMIS Field			Test Name	Lot	Sample Date	Analysis Date	Value	Flag	Unit
			IRDMIS Site ID	IRDMIS Sample Number	Lab Number							
ABB-ES *7* *7* *7*	METALS/WATER/ICP-MS	S303	SBK-98-001	SBK98001	LADV1W*2 AS	OKNB	20-MAY-98	30-JUN-98		2.93		UGL
	METALS/WATER/ICP-MS		SBK-98-001	SBK98001	DV1W*102 PB	OKSB	20-MAY-98	12-NOV-98		1.02		UGL
	METALS/WATER/ICP-MS		SBK-98-001	SBK98001	DV1W*102 SE	OKSB	20-MAY-98	12-NOV-98		1		UGL
	METALS/WATER/ICP-MS		SBK-98-001	SBK98001	DV1W*102 SE	OKSB	20-MAY-98	12-NOV-98		2.01		UGL
ABB-ES	METALS/WATER/ICP	SS18	SBK-98-001	SBK98001	LADV1W*2 BA	OGHG	20-MAY-98	03-JUN-98		2.5		UGL
	METALS/WATER/ICP		SBK-98-001	SBK98001	LADV1W*2 CU	OGHG	20-MAY-98	03-JUN-98		5		UGL
	METALS/WATER/ICP		SBK-98-001	SBK98001	LADV1W*2 MN	OGJG	20-MAY-98	09-JUN-98		6.28		UGL
	METALS/WATER/ICP		SBK-98-001	SBK98001	LADV1W*2 PB	OGHG	20-MAY-98	03-JUN-98		52.9		UGL
	METALS/WATER/ICP		SBK-98-001	SBK98001	LADV1W*2 SB	OGHG	20-MAY-98	03-JUN-98		59.2		UGL
	METALS/WATER/ICP		SBK-98-001	SBK98001	LADV1W*2 SE	OGHG	20-MAY-98	03-JUN-98		49		UGL
	METALS/WATER/ICP		SBK-98-001	SBK98001	LADV1W*2 SE	OGHG	20-MAY-98	03-JUN-98		36.1		UGL
	METALS/WATER/ICP		SBK-98-001	SBK98001	LADV1W*2 ZN	OGHG	20-MAY-98	03-JUN-98				UGL
ABB-ES	PESTICIDES/WATER/GCEC	UH02	SBK-98-001	SBK98001	LADV1W*2 PCB016	SDUG	20-MAY-98	02-JUN-98		.194		UGL
	PESTICIDES/WATER/GCEC		SBK-98-001	SBK98001	LADV1W*2 PCB221	SDUG	20-MAY-98	02-JUN-98		.16	T	UGL
	PESTICIDES/WATER/GCEC		SBK-98-001	SBK98001	LADV1W*2 PCB232	SDUG	20-MAY-98	02-JUN-98		.16	T	UGL
	PESTICIDES/WATER/GCEC		SBK-98-001	SBK98001	LADV1W*2 PCB242	SDUG	20-MAY-98	02-JUN-98		.19	T	UGL
	PESTICIDES/WATER/GCEC		SBK-98-001	SBK98001	LADV1W*2 PCB248	SDUG	20-MAY-98	02-JUN-98		.19	T	UGL
	PESTICIDES/WATER/GCEC		SBK-98-001	SBK98001	LADV1W*2 PCB254	SDUG	20-MAY-98	02-JUN-98		.19	T	UGL
	PESTICIDES/WATER/GCEC		SBK-98-001	SBK98001	LADV1W*2 PCB260	SDUG	20-MAY-98	02-JUN-98		.208		UGL
	PESTICIDES/WATER/GCEC		SBK-98-001	SBK98001	LADV1W*2 PCB260	SDUG	20-MAY-98	02-JUN-98				UGL
ABB-ES	PESTICIDES/WATER/GCEC	UH13	SBK-98-001	SBK98001	LADV1W*2 ABHC	TDSI	20-MAY-98	28-MAY-98		.0409		UGL
	PESTICIDES/WATER/GCEC		SBK-98-001	SBK98001	LADV1W*2 ACLDAN	TDSI	20-MAY-98	28-MAY-98		.075	T	UGL
	PESTICIDES/WATER/GCEC		SBK-98-001	SBK98001	LADV1W*2 AENSLF	TDSI	20-MAY-98	28-MAY-98		.0225		UGL
	PESTICIDES/WATER/GCEC		SBK-98-001	SBK98001	LADV1W*2 ALDRN	TDSI	20-MAY-98	28-MAY-98		.121		UGL
	PESTICIDES/WATER/GCEC		SBK-98-001	SBK98001	LADV1W*2 BBHC	TDSI	20-MAY-98	28-MAY-98		.0269		UGL
	PESTICIDES/WATER/GCEC		SBK-98-001	SBK98001	LADV1W*2 BENSLF	TDSI	20-MAY-98	28-MAY-98		.0198		UGL
	PESTICIDES/WATER/GCEC		SBK-98-001	SBK98001	LADV1W*2 DBHC	TDSI	20-MAY-98	28-MAY-98		.0255		UGL
	PESTICIDES/WATER/GCEC		SBK-98-001	SBK98001	LADV1W*2 DLDNR	TDSI	20-MAY-98	28-MAY-98		.0231		UGL
	PESTICIDES/WATER/GCEC		SBK-98-001	SBK98001	LADV1W*2 ENDRN	TDSI	20-MAY-98	28-MAY-98		.018		UGL
	PESTICIDES/WATER/GCEC		SBK-98-001	SBK98001	LADV1W*2 ENDRNA	TDSI	20-MAY-98	28-MAY-98		.0285		UGL
	PESTICIDES/WATER/GCEC		SBK-98-001	SBK98001	LADV1W*2 ENDRNK	TDSI	20-MAY-98	28-MAY-98		.0285	T	UGL
	PESTICIDES/WATER/GCEC		SBK-98-001	SBK98001	LADV1W*2 ESFS04	TDSI	20-MAY-98	28-MAY-98		.0818		UGL
	PESTICIDES/WATER/GCEC		SBK-98-001	SBK98001	LADV1W*2 GCLDAN	TDSI	20-MAY-98	28-MAY-98		.075	T	UGL
	PESTICIDES/WATER/GCEC		SBK-98-001	SBK98001	LADV1W*2 HPCL	TDSI	20-MAY-98	28-MAY-98		.0498		UGL
	PESTICIDES/WATER/GCEC		SBK-98-001	SBK98001	LADV1W*2 ISODR	TDSI	20-MAY-98	28-MAY-98		.0243		UGL
	PESTICIDES/WATER/GCEC		SBK-98-001	SBK98001	LADV1W*2 HPCLE	TDSI	20-MAY-98	28-MAY-98		.0618		UGL
	PESTICIDES/WATER/GCEC		SBK-98-001	SBK98001	LADV1W*2 LIN	TDSI	20-MAY-98	28-MAY-98		.0526		UGL
	PESTICIDES/WATER/GCEC		SBK-98-001	SBK98001	LADV1W*2 MEXCLR	TDSI	20-MAY-98	28-MAY-98		.0452		UGL
	PESTICIDES/WATER/GCEC		SBK-98-001	SBK98001	LADV1W*2 PPDDO	TDSI	20-MAY-98	28-MAY-98		.0199		UGL
	PESTICIDES/WATER/GCEC		SBK-98-001	SBK98001	LADV1W*2 PPDE	TDSI	20-MAY-98	28-MAY-98		.027		UGL
	PESTICIDES/WATER/GCEC		SBK-98-001	SBK98001	LADV1W*2 PPDDT	TDSI	20-MAY-98	28-MAY-98		.0358		UGL

TABLE D-3

RINSE BLANKS
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS Method Code	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Test Name	Lot	Sample Date	Analysis Date	Value	Flag	Unit
ABB-ES	PESTICIDES/WATER/GCEC	UH13	SBK-98-001	SBK98001	LADV1W*2	TXPHEN	TDS1	20-MAY-98	28-MAY-98	1.35		UGL
ABB-ES	ORGANICS/WATER/GCMS	UM18	SBK-98-001	SBK98001	LADV1W*2	124TCB	WDHO	21-MAY-98	15-JUN-98	2.2		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	12DCLB	WDHO	21-MAY-98	15-JUN-98	2		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	12DPH	WDHO	21-MAY-98	15-JUN-98	2 R		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	13DCLB	WDHO	21-MAY-98	15-JUN-98	2.2		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	14DCLB	WDHO	21-MAY-98	15-JUN-98	2.2		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	245TCP	WDHO	21-MAY-98	15-JUN-98	4.9		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	246TCP	WDHO	21-MAY-98	15-JUN-98	4.1		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	246CLP	WDHO	21-MAY-98	15-JUN-98	3.1		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	246MPN	WDHO	21-MAY-98	15-JUN-98	6.2		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	246NP	WDHO	21-MAY-98	15-JUN-98	15		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	24DNT	WDHO	21-MAY-98	15-JUN-98	4.7		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	26DNT	WDHO	21-MAY-98	15-JUN-98	.72		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	2CLP	WDHO	21-MAY-98	15-JUN-98	1		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	2CNAP	WDHO	21-MAY-98	15-JUN-98	.57		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	2HNAP	WDHO	21-MAY-98	15-JUN-98	1.8		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	2NP	WDHO	21-MAY-98	15-JUN-98	4		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	2NANIL	WDHO	21-MAY-98	15-JUN-98	4.5		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	33DCBD	WDHO	21-MAY-98	15-JUN-98	3.8		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	3NANIL	WDHO	21-MAY-98	15-JUN-98	7.8		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	46DN2C	WDHO	21-MAY-98	15-JUN-98	5.1		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	4BRPPE	WDHO	21-MAY-98	15-JUN-98	14		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	4CANIL	WDHO	21-MAY-98	15-JUN-98	4.7		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	4CL3C	WDHO	21-MAY-98	15-JUN-98	8.4		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	4CLPPE	WDHO	21-MAY-98	15-JUN-98	4		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	4NP	WDHO	21-MAY-98	15-JUN-98	6		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	4NANIL	WDHO	21-MAY-98	15-JUN-98	.61		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	4NP	WDHO	21-MAY-98	15-JUN-98	5.1		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	4BHC	WDHO	21-MAY-98	15-JUN-98	18		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	4CLDAN	WDHO	21-MAY-98	15-JUN-98	4 R		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	4ENSLF	WDHO	21-MAY-98	15-JUN-98	5.1 R		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	4LDNR	WDHO	21-MAY-98	15-JUN-98	9.2 R		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	4ANAPNE	WDHO	21-MAY-98	15-JUN-98	4.7 R		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	4ANAPYL	WDHO	21-MAY-98	15-JUN-98	1.8		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	4ANTRC	WDHO	21-MAY-98	15-JUN-98	.52		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	4B2CEXM	WDHO	21-MAY-98	15-JUN-98	1.6		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	4B2CIPE	WDHO	21-MAY-98	15-JUN-98	6.4		UGL

RINSE BLANKS
FT. DEVENS AOC

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor		Method Description	IRDMIS Code	IRDMIS Field	IRDMIS Site ID	IRDMIS Sample Number	Lab Number	Test Name	Lot	Sample Date	Analysis Date	Value	Flag	Unit
ABB-ES	UM18	ORGANICS/WATER/GCMS		IRDMIS	SBK-98-001	SBK98001	LADV1W*2	B2CLEE	WDHO	21-MAY-98	15-JUN-98	2		UGL
		LADV1W*2					B2EHP	WDHO	21-MAY-98	15-JUN-98	4.4		UGL	
		LADV1W*2					BAANTR	WDHO	21-MAY-98	15-JUN-98	1.6		UGL	
		LADV1W*2					BAPYR	WDHO	21-MAY-98	15-JUN-98	4.2		UGL	
		LADV1W*2					BBFANT	WDHO	21-MAY-98	15-JUN-98	5.1		UGL	
		LADV1W*2					BBHC	WDHO	21-MAY-98	15-JUN-98	4	R	UGL	
		LADV1W*2					BBZP	WDHO	21-MAY-98	15-JUN-98	3.2		UGL	
		LADV1W*2					BENSLF	WDHO	21-MAY-98	15-JUN-98	9.2	R	UGL	
		LADV1W*2					BENZID	WDHO	21-MAY-98	15-JUN-98	10	R	UGL	
		LADV1W*2					BENZO	WDHO	21-MAY-98	15-JUN-98	20		UGL	
		LADV1W*2					BGHIPI	WDHO	21-MAY-98	15-JUN-98	4.7		UGL	
		LADV1W*2					BKFANT	WDHO	21-MAY-98	15-JUN-98	.85		UGL	
		LADV1W*2					BZALC	WDHO	21-MAY-98	15-JUN-98	.84		UGL	
		LADV1W*2					CARB	WDHO	21-MAY-98	15-JUN-98	2.2		UGL	
		LADV1W*2					CHRY	WDHO	21-MAY-98	15-JUN-98	2.5		UGL	
		LADV1W*2					CLGBZ	WDHO	21-MAY-98	15-JUN-98	1.7		UGL	
		LADV1W*2					CLGCP	WDHO	21-MAY-98	15-JUN-98	12		UGL	
		LADV1W*2					CLEET	WDHO	21-MAY-98	15-JUN-98	1.8		UGL	
		LADV1W*2					DBA	WDHO	21-MAY-98	15-JUN-98	5.6		UGL	
		LADV1W*2					DBHC	WDHO	21-MAY-98	15-JUN-98	1.8		UGL	
		LADV1W*2					DEBZUR	WDHO	21-MAY-98	15-JUN-98	4	R	UGL	
		LADV1W*2					DEP	WDHO	21-MAY-98	15-JUN-98	2.3		UGL	
		LADV1W*2					DLDRN	WDHO	21-MAY-98	15-JUN-98	4.7	R	UGL	
		LADV1W*2					DMP	WDHO	21-MAY-98	15-JUN-98	1.9		UGL	
		LADV1W*2					DNBP	WDHO	21-MAY-98	15-JUN-98	3.4		UGL	
		LADV1W*2					DNOP	WDHO	21-MAY-98	15-JUN-98	12		UGL	
		LADV1W*2					ENDRNA	WDHO	21-MAY-98	15-JUN-98	7.6	R	UGL	
		LADV1W*2					ENDRNK	WDHO	21-MAY-98	15-JUN-98	8	R	UGL	
		LADV1W*2					ESF	WDHO	21-MAY-98	15-JUN-98	8	R	UGL	
		LADV1W*2					ESF	WDHO	21-MAY-98	15-JUN-98	9.2	R	UGL	
		LADV1W*2					FANT	WDHO	21-MAY-98	15-JUN-98	3.3		UGL	
		LADV1W*2					FLRENE	WDHO	21-MAY-98	15-JUN-98	3.9		UGL	
LADV1W*2	HCBD	WDHO	21-MAY-98	15-JUN-98	5.1	R	UGL							
LADV1W*2	GCLDAN	WDHO	21-MAY-98	15-JUN-98	4.7		UGL							
LADV1W*2	HPCL	WDHO	21-MAY-98	15-JUN-98	2	R	UGL							
LADV1W*2	HPCLC	WDHO	21-MAY-98	15-JUN-98	5	R	UGL							
LADV1W*2	ICDPYR	WDHO	21-MAY-98	15-JUN-98	7.4		UGL							
LADV1W*2	ISOPHR	WDHO	21-MAY-98	15-JUN-98	4.9		UGL							
LADV1W*2	LIN	WDHO	21-MAY-98	15-JUN-98	4	R	UGL							

TABLE D-3

 RINSE BLANKS
 FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS Method Code	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Test Name	Lot	Sample Date	Analysis Date	Value	Flag	Unit
ABB-ES	ORGANICS/WATER/GCMS	UM18	SBK-98-001	SBK98001	LADV1W*2	MEXCLR	WDHO	21-MAY-98	15-JUN-98	5.1	R	UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	NAP	WDHO	21-MAY-98	15-JUN-98	.43		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	NB	WDHO	21-MAY-98	15-JUN-98	.56		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	NNDMEA	WDHO	21-MAY-98	15-JUN-98	2	R	UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	NNDPA	WDHO	21-MAY-98	15-JUN-98	4.5		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	NNDPA	WDHO	21-MAY-98	15-JUN-98	3.1		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	PC8016	WDHO	21-MAY-98	15-JUN-98	21	R	UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	PC8221	WDHO	21-MAY-98	15-JUN-98	21	R	UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	PC8232	WDHO	21-MAY-98	15-JUN-98	30	R	UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	PC8242	WDHO	21-MAY-98	15-JUN-98	30	R	UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	PC8248	WDHO	21-MAY-98	15-JUN-98	30	R	UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	PC8254	WDHO	21-MAY-98	15-JUN-98	36	R	UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	PC8260	WDHO	21-MAY-98	15-JUN-98	36	R	UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	PCP	WDHO	21-MAY-98	15-JUN-98	14		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	PHANTR	WDHO	21-MAY-98	15-JUN-98	.5		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	PHENOL	WDHO	21-MAY-98	15-JUN-98	17		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	PPDD	WDHO	21-MAY-98	15-JUN-98	4	R	UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	PPDD	WDHO	21-MAY-98	15-JUN-98	4.7	R	UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	PPDD	WDHO	21-MAY-98	15-JUN-98	9.2	R	UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	PYR	WDHO	21-MAY-98	15-JUN-98	2.8		UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	TXPHEN	WDHO	21-MAY-98	15-JUN-98	36	R	UGL
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	UNK519	WDHO	21-MAY-98	15-JUN-98	10	S	UGL
ABB-ES	VOLATILES/WATER/GCMS	UM20	SBK-98-001	SBK98001	LADV1W*2	11TCE	XDGV	20-MAY-98	03-JUN-98	.5		UGL
ABB-ES	VOLATILES/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	112TCE	XDGV	20-MAY-98	03-JUN-98	1.3		UGL
ABB-ES	VOLATILES/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	11DCE	XDGV	20-MAY-98	03-JUN-98	.47		UGL
ABB-ES	VOLATILES/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	12DCE	XDGV	20-MAY-98	03-JUN-98	.69		UGL
ABB-ES	VOLATILES/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	12DCE	XDGV	20-MAY-98	03-JUN-98	.49		UGL
ABB-ES	VOLATILES/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	12DCE	XDGV	20-MAY-98	03-JUN-98	.5		UGL
ABB-ES	VOLATILES/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	12DCE	XDGV	20-MAY-98	03-JUN-98	.49		UGL
ABB-ES	VOLATILES/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	12DCE	XDGV	20-MAY-98	03-JUN-98	.7		UGL
ABB-ES	VOLATILES/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	12DCE	XDGV	20-MAY-98	03-JUN-98	.7		UGL
ABB-ES	VOLATILES/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	12DCE	XDGV	20-MAY-98	03-JUN-98	14		UGL
ABB-ES	VOLATILES/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	12DCE	XDGV	20-MAY-98	03-JUN-98	100	R	UGL
ABB-ES	VOLATILES/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	12DCE	XDGV	20-MAY-98	03-JUN-98	100	R	UGL
ABB-ES	VOLATILES/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	12DCE	XDGV	20-MAY-98	03-JUN-98	.58		UGL
ABB-ES	VOLATILES/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	12DCE	XDGV	20-MAY-98	03-JUN-98	.57		UGL
ABB-ES	VOLATILES/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	12DCE	XDGV	20-MAY-98	03-JUN-98	8.4		UGL
ABB-ES	VOLATILES/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	12DCE	XDGV	20-MAY-98	03-JUN-98	2.7		UGL
ABB-ES	VOLATILES/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	12DCE	XDGV	20-MAY-98	03-JUN-98	1.9		UGL

TABLE D-3

RINSE BLANKS
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	IRDMIS Method Code	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Test Name	Lot	Sample Date	Analysis Date	Value	Flag	Unit
ABB-ES	UN20	SBK-98-001	SBK98001	LADV1W*2	CSH6	XDGV	20-MAY-98	03-JUN-98	.5		UGL
ABB-ES		SBK-98-001	SBK98001	LADV1W*2	CCL3F	XDGV	20-MAY-98	03-JUN-98	1.4		UGL
ABB-ES		SBK-98-001	SBK98001	LADV1W*2	CCL4	XDGV	20-MAY-98	03-JUN-98	.55		UGL
ABB-ES		SBK-98-001	SBK98001	LADV1W*2	CH2CL2	XDGV	20-MAY-98	03-JUN-98	2.2		UGL
ABB-ES		SBK-98-001	SBK98001	LADV1W*2	CH3BR	XDGV	20-MAY-98	03-JUN-98	5.7		UGL
ABB-ES		SBK-98-001	SBK98001	LADV1W*2	CH3CL	XDGV	20-MAY-98	03-JUN-98	3.4		UGL
ABB-ES		SBK-98-001	SBK98001	LADV1W*2	CHBR3	XDGV	20-MAY-98	03-JUN-98	2.5		UGL
ABB-ES		SBK-98-001	SBK98001	LADV1W*2	CHCL3	XDGV	20-MAY-98	03-JUN-98	.51		UGL
ABB-ES		SBK-98-001	SBK98001	LADV1W*2	CL2BZ	XDGV	20-MAY-98	03-JUN-98	10 R		UGL
ABB-ES		SBK-98-001	SBK98001	LADV1W*2	CLC6H5	XDGV	20-MAY-98	03-JUN-98	.48		UGL
ABB-ES		SBK-98-001	SBK98001	LADV1W*2	CS2	XDGV	20-MAY-98	03-JUN-98	.57		UGL
ABB-ES		SBK-98-001	SBK98001	LADV1W*2	DBRCLM	XDGV	20-MAY-98	03-JUN-98	.68		UGL
ABB-ES		SBK-98-001	SBK98001	LADV1W*2	ETC6H5	XDGV	20-MAY-98	03-JUN-98	.48		UGL
ABB-ES		SBK-98-001	SBK98001	LADV1W*2	MEC6H5	XDGV	20-MAY-98	03-JUN-98	.49		UGL
ABB-ES		SBK-98-001	SBK98001	LADV1W*2	MEK	XDGV	20-MAY-98	03-JUN-98	6.5		UGL
ABB-ES		SBK-98-001	SBK98001	LADV1W*2	MI8K	XDGV	20-MAY-98	03-JUN-98	3.3		UGL
ABB-ES		SBK-98-001	SBK98001	LADV1W*2	MNBK	XDGV	20-MAY-98	03-JUN-98	3.9		UGL
ABB-ES		SBK-98-001	SBK98001	LADV1W*2	STYR	XDGV	20-MAY-98	03-JUN-98	.45		UGL
ABB-ES		SBK-98-001	SBK98001	LADV1W*2	T13DCP	XDGV	20-MAY-98	03-JUN-98	.73		UGL
ABB-ES		SBK-98-001	SBK98001	LADV1W*2	TCLEA	XDGV	20-MAY-98	03-JUN-98	.5		UGL
ABB-ES		SBK-98-001	SBK98001	LADV1W*2	TCLEE	XDGV	20-MAY-98	03-JUN-98	1.6		UGL
ABB-ES		SBK-98-001	SBK98001	LADV1W*2	TRCLE	XDGV	20-MAY-98	03-JUN-98	.48		UGL
ABB-ES		SBK-98-001	SBK98001	LADV1W*2	XYLEN	XDGV	20-MAY-98	03-JUN-98	.79		UGL

TABLE D-4

TRIP BLANK RESULTS
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	IRDMIS Method Code	IRDMIS Field Sample Number	Test Lot Name	Lab Number	Sample Date	Prep Date	Analysis Date	Value	Flag	Unit	IRDMIS Site ID
ABB-ES	UM20	TK98001	XDGV 111TCE	LADV1W*1	20-MAY-98	03-JUN-98	03-JUN-98	.5		UGL	TKB-98-001
ABB-ES		TK98002	XDGV 111TCE	ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	.5		UGL	TKB-98-02X
ABB-ES		TK98003	XDGV 111TCE	ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	.5		UGL	TKB-98-03X
ABB-ES		TK98001	XDGV 112TCE	LADV1W*1	20-MAY-98	03-JUN-98	03-JUN-98	1.3		UGL	TKB-98-001
ABB-ES		TK98002	XDGV 112TCE	ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	1.3		UGL	TKB-98-02X
ABB-ES		TK98003	XDGV 112TCE	ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	1.3		UGL	TKB-98-03X
ABB-ES		TK98001	XDGV 112TCE	LADV1W*1	20-MAY-98	03-JUN-98	03-JUN-98	.47		UGL	TKB-98-001
ABB-ES		TK98002	XDGV 112TCE	ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	.47		UGL	TKB-98-02X
ABB-ES		TK98003	XDGV 112TCE	ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	.47		UGL	TKB-98-03X
ABB-ES		TK98001	XDGV 11DCE	LADV1W*1	20-MAY-98	03-JUN-98	03-JUN-98	.69		UGL	TKB-98-001
ABB-ES		TK98002	XDGV 11DCE	ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	.69		UGL	TKB-98-02X
ABB-ES		TK98003	XDGV 11DCE	ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	.69		UGL	TKB-98-03X
ABB-ES		TK98001	XDGV 11DCE	LADV1W*1	20-MAY-98	03-JUN-98	03-JUN-98	.69		UGL	TKB-98-001
ABB-ES		TK98002	XDGV 11DCE	ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	.69		UGL	TKB-98-02X
ABB-ES		TK98003	XDGV 11DCE	ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	.69		UGL	TKB-98-03X
ABB-ES		TK98001	XDGV 12DCE	LADV1W*1	20-MAY-98	03-JUN-98	03-JUN-98	.49		UGL	TKB-98-001
ABB-ES		TK98002	XDGV 12DCE	ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	.49		UGL	TKB-98-02X
ABB-ES		TK98003	XDGV 12DCE	ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	.49		UGL	TKB-98-03X
ABB-ES		TK98001	XDGV 12DCE	LADV1W*1	20-MAY-98	03-JUN-98	03-JUN-98	.5		UGL	TKB-98-001
ABB-ES		TK98002	XDGV 12DCE	ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	.5		UGL	TKB-98-02X
ABB-ES		TK98003	XDGV 12DCE	ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	.5		UGL	TKB-98-03X
ABB-ES		TK98001	XDGV 12DCE	LADV1W*1	20-MAY-98	03-JUN-98	03-JUN-98	.49		UGL	TKB-98-001
ABB-ES		TK98002	XDGV 12DCE	ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	.49		UGL	TKB-98-02X
ABB-ES		TK98003	XDGV 12DCE	ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	.49		UGL	TKB-98-03X
ABB-ES		TK98001	XDGV 12DCE	LADV1W*1	20-MAY-98	03-JUN-98	03-JUN-98	.7		UGL	TKB-98-001
ABB-ES		TK98002	XDGV 12DCE	ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	.7		UGL	TKB-98-02X
ABB-ES		TK98003	XDGV 12DCE	ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	.7		UGL	TKB-98-03X
ABB-ES		TK98001	XDGV 2CLEVE	LADV1W*1	20-MAY-98	03-JUN-98	03-JUN-98	14		UGL	TKB-98-001
ABB-ES		TK98002	XDGV 2CLEVE	ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	14		UGL	TKB-98-02X
ABB-ES		TK98003	XDGV 2CLEVE	ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	14		UGL	TKB-98-03X
ABB-ES		TK98001	XDGV ACET	LADV1W*1	20-MAY-98	03-JUN-98	03-JUN-98	100 R		UGL	TKB-98-001
ABB-ES		TK98002	XDGV ACET	ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	100 R		UGL	TKB-98-02X
ABB-ES		TK98003	XDGV ACET	ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	100 R		UGL	TKB-98-03X
ABB-ES		TK98001	XDGV ACROLN	LADV1W*1	20-MAY-98	03-JUN-98	03-JUN-98	100 R		UGL	TKB-98-001
ABB-ES		TK98002	XDGV ACROLN	ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	100 R		UGL	TKB-98-02X
ABB-ES		TK98003	XDGV ACROLN	ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	100 R		UGL	TKB-98-03X
ABB-ES		TK98001	XDGV ACRYLO	LADV1W*1	20-MAY-98	03-JUN-98	03-JUN-98	100 R		UGL	TKB-98-001
ABB-ES		TK98002	XDGV ACRYLO	ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	100 R		UGL	TKB-98-02X
ABB-ES		TK98003	XDGV ACRYLO	ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	100 R		UGL	TKB-98-03X
ABB-ES		TK98001	XDGV BRDCLM	LADV1W*1	20-MAY-98	03-JUN-98	03-JUN-98	.58		UGL	TKB-98-001
ABB-ES		TK98002	XDGV BRDCLM	ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	.58		UGL	TKB-98-02X

TABLE D-4

TRIP BLANK RESULTS
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	IRDMIS Method Code	IRDMIS Field		Lab Number	Sample Date	Prep Date	Analysis Date	Value	Flag	Unit	IRDMIS Site ID
		Test	Lot Name								
ABB-ES	UM20	XDGV BRDCLM		ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	.58		UGL	TBK-98-03X
ABB-ES		XDGV C13DCP		ADV1W*19	20-MAY-98	03-JUN-98	03-JUN-98	.57		UGL	TBK-98-001
ABB-ES		XDGV C13DCP		ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	.57		UGL	TBK-98-02X
ABB-ES		XDGV C13DCP		ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	.57		UGL	TBK-98-03X
ABB-ES		XDGV C2AVE		ADV1W*19	20-MAY-98	03-JUN-98	03-JUN-98	8.4		UGL	TBK-98-001
ABB-ES		XDGV C2AVE		ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	8.4		UGL	TBK-98-02X
ABB-ES		XDGV C2AVE		ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	8.4		UGL	TBK-98-03X
ABB-ES		XDGV C2H3CL		ADV1W*19	20-MAY-98	03-JUN-98	03-JUN-98	2.7		UGL	TBK-98-001
ABB-ES		XDGV C2H3CL		ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	2.7		UGL	TBK-98-02X
ABB-ES		XDGV C2H3CL		ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	2.7		UGL	TBK-98-03X
ABB-ES		XDGV C2H5CL		ADV1W*19	20-MAY-98	03-JUN-98	03-JUN-98	1.9		UGL	TBK-98-001
ABB-ES		XDGV C2H5CL		ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	1.9		UGL	TBK-98-02X
ABB-ES		XDGV C2H5CL		ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	1.9		UGL	TBK-98-03X
ABB-ES		XDGV C6H6		ADV1W*19	20-MAY-98	03-JUN-98	03-JUN-98	.5		UGL	TBK-98-001
ABB-ES		XDGV C6H6		ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	.5		UGL	TBK-98-02X
ABB-ES		XDGV C6H6		ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	.5		UGL	TBK-98-03X
ABB-ES		XDGV CCL3F		ADV1W*19	20-MAY-98	03-JUN-98	03-JUN-98	1.4		UGL	TBK-98-001
ABB-ES		XDGV CCL3F		ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	1.4		UGL	TBK-98-02X
ABB-ES		XDGV CCL3F		ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	1.4		UGL	TBK-98-03X
ABB-ES		XDGV CCL4		ADV1W*19	20-MAY-98	03-JUN-98	03-JUN-98	.55		UGL	TBK-98-001
ABB-ES		XDGV CCL4		ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	.55		UGL	TBK-98-02X
ABB-ES		XDGV CCL4		ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	.55		UGL	TBK-98-03X
ABB-ES		XDGV CH2CL2		ADV1W*19	20-MAY-98	03-JUN-98	03-JUN-98	2.2		UGL	TBK-98-001
ABB-ES		XDGV CH2CL2		ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	2.2		UGL	TBK-98-02X
ABB-ES		XDGV CH2CL2		ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	2.2		UGL	TBK-98-03X
ABB-ES		XDGV CH3BR		ADV1W*19	20-MAY-98	03-JUN-98	03-JUN-98	5.7		UGL	TBK-98-001
ABB-ES		XDGV CH3BR		ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	5.7		UGL	TBK-98-02X
ABB-ES		XDGV CH3BR		ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	5.7		UGL	TBK-98-03X
ABB-ES		XDGV CH3CL		ADV1W*19	20-MAY-98	03-JUN-98	03-JUN-98	3.4		UGL	TBK-98-001
ABB-ES		XDGV CH3CL		ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	3.4		UGL	TBK-98-02X
ABB-ES		XDGV CH3CL		ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	3.4		UGL	TBK-98-03X
ABB-ES		XDGV CHBR3		ADV1W*19	20-MAY-98	03-JUN-98	03-JUN-98	2.5		UGL	TBK-98-001
ABB-ES		XDGV CHBR3		ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	2.5		UGL	TBK-98-02X
ABB-ES		XDGV CHBR3		ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	2.5		UGL	TBK-98-03X
ABB-ES		XDGV CHCL3		ADV1W*19	20-MAY-98	03-JUN-98	03-JUN-98	.51		UGL	TBK-98-001

TABLE D-4

TRIP BLANK RESULTS
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	IRDMIS Method Code	Test Lot Name	IRDMIS Field Sample Number	Lab Number	Sample Date	Prep Date	Analysis Date	Value	Flag	IRDMIS Unit Site ID
ABB-ES	UM20	XDGV CHCL3	TK98002	ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	.51		UGL TBK-98-02X
ABB-ES		XDGV CHCL3	TK98003	ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	.51		UGL TBK-98-03X
ABB-ES		XDGV CL2BZ	TK98001	LADV1W*1	20-MAY-98	03-JUN-98	03-JUN-98	10 R		UGL TBK-98-001
ABB-ES		XDGV CL2BZ	TK98002	ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	10 R		UGL TBK-98-02X
ABB-ES		XDGV CL2BZ	TK98003	ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	10 R		UGL TBK-98-03X
ABB-ES		XDGV CLC6H5	TK98001	LADV1W*1	20-MAY-98	03-JUN-98	03-JUN-98	.48		UGL TBK-98-001
ABB-ES		XDGV CLC6H5	TK98002	ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	.48		UGL TBK-98-02X
ABB-ES		XDGV CLC6H5	TK98003	ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	.48		UGL TBK-98-03X
ABB-ES		XDGV CS2	TK98001	LADV1W*1	20-MAY-98	03-JUN-98	03-JUN-98	.57		UGL TBK-98-001
ABB-ES		XDGV CS2	TK98002	ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	.57		UGL TBK-98-02X
ABB-ES		XDGV CS2	TK98003	ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	.57		UGL TBK-98-03X
ABB-ES		XDGV DBRCLM	TK98001	LADV1W*1	20-MAY-98	03-JUN-98	03-JUN-98	.68		UGL TBK-98-001
ABB-ES		XDGV DBRCLM	TK98002	ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	.68		UGL TBK-98-02X
ABB-ES		XDGV DBRCLM	TK98003	ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	.68		UGL TBK-98-03X
ABB-ES		XDGV ETC6H5	TK98001	LADV1W*1	20-MAY-98	03-JUN-98	03-JUN-98	.48		UGL TBK-98-001
ABB-ES		XDGV ETC6H5	TK98002	ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	.48		UGL TBK-98-02X
ABB-ES		XDGV ETC6H5	TK98003	ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	.48		UGL TBK-98-03X
ABB-ES		XDGV MEC6H5	TK98001	LADV1W*1	20-MAY-98	03-JUN-98	03-JUN-98	.49		UGL TBK-98-001
ABB-ES		XDGV MEC6H5	TK98002	ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	.49		UGL TBK-98-02X
ABB-ES		XDGV MEC6H5	TK98003	ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	.49		UGL TBK-98-03X
ABB-ES		XDGV MEK	TK98001	LADV1W*1	20-MAY-98	03-JUN-98	03-JUN-98	6.5		UGL TBK-98-001
ABB-ES		XDGV MEK	TK98002	ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	6.5		UGL TBK-98-02X
ABB-ES		XDGV MEK	TK98003	ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	6.5		UGL TBK-98-03X
ABB-ES		XDGV MIBK	TK98001	LADV1W*1	20-MAY-98	03-JUN-98	03-JUN-98	3.3		UGL TBK-98-001
ABB-ES		XDGV MIBK	TK98002	ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	3.3		UGL TBK-98-02X
ABB-ES		XDGV MIBK	TK98003	ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	3.3		UGL TBK-98-03X
ABB-ES		XDGV WNBK	TK98001	LADV1W*1	20-MAY-98	03-JUN-98	03-JUN-98	3.9		UGL TBK-98-001
ABB-ES		XDGV WNBK	TK98002	ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	3.9		UGL TBK-98-02X
ABB-ES		XDGV WNBK	TK98003	ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	3.9		UGL TBK-98-03X
ABB-ES		XDGV STYR	TK98001	LADV1W*1	20-MAY-98	03-JUN-98	03-JUN-98	.45		UGL TBK-98-001
ABB-ES		XDGV STYR	TK98002	ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	.45		UGL TBK-98-02X
ABB-ES		XDGV STYR	TK98003	ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	.45		UGL TBK-98-03X
ABB-ES		XDGV T13DCP	TK98001	LADV1W*1	20-MAY-98	03-JUN-98	03-JUN-98	.73		UGL TBK-98-001
ABB-ES		XDGV T13DCP	TK98002	ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	.73		UGL TBK-98-02X
ABB-ES		XDGV T13DCP	TK98003	ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	.73		UGL TBK-98-03X

TABLE D-4

TRIP BLANK RESULTS
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	IRDMIS Method Code	IRDMIS Field Sample Number	Test Lot Name	Lab Number	Sample Date	Prep Date	Analysis Date	Value	Flag	Unit	IRDMIS Site ID
ABB-ES	UM20	TBK98001	XDGV TCLEA	LADV1W*1	20-MAY-98	03-JUN-98	03-JUN-98	.5		UGL	TBK-98-001
ABB-ES		TBK98002	XDGV TCLEA	ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	.5		UGL	TBK-98-02X
ABB-ES		TBK98003	XDGV TCLEA	ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	.5		UGL	TBK-98-03X
ABB-ES		TBK98001	XDGV TCLEE	LADV1W*1	20-MAY-98	03-JUN-98	03-JUN-98	1.6		UGL	TBK-98-001
ABB-ES		TBK98002	XDGV TCLEE	ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	1.6		UGL	TBK-98-02X
ABB-ES		TBK98003	XDGV TCLEE	ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	1.6		UGL	TBK-98-03X
ABB-ES		TBK98001	XDGV TRCLE	LADV1W*1	20-MAY-98	03-JUN-98	03-JUN-98	.48		UGL	TBK-98-001
ABB-ES		TBK98002	XDGV TRCLE	ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	.48		UGL	TBK-98-02X
ABB-ES		TBK98003	XDGV TRCLE	ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	.48		UGL	TBK-98-03X
ABB-ES		TBK98001	XDGV XYLEN	LADV1W*1	20-MAY-98	03-JUN-98	03-JUN-98	.79		UGL	TBK-98-001
ABB-ES		TBK98002	XDGV XYLEN	ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	.79		UGL	TBK-98-02X
ABB-ES		TBK98003	XDGV XYLEN	ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	.79		UGL	TBK-98-03X

TABLE D-5

VOLATILE SURROGATE RESULTS
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Code	Method Description	IRDMIS			IRDMIS Field			Sample Date	Analysis Date	Spike Value	Value Unit	Percent Recovery
			IRDMIS Site ID	Test Name	IRDMIS Sample Number	Lab Number	Lot	IRDMIS Sample Number					
ABB-ES	LM19	VOLATILES/SOIL/GCMS	57S-98-09X	12DCD4	SX570900	ADV1S*10	YGOL	19-MAY-98	28-MAY-98	.05	.054	UGG	108.0
ABB-ES	LM19	VOLATILES/SOIL/GCMS	57S-98-13X	12DCD4	SX571301	ADV1S*11	YGOL	20-MAY-98	28-MAY-98	.05	.051	UGG	102.0
ABB-ES	LM19	VOLATILES/SOIL/GCMS	57S-98-14X	12DCD4	SX571401	ADV1S*12	YGOL	20-MAY-98	28-MAY-98	.05	.055	UGG	110.0
ABB-ES	LM19	VOLATILES/SOIL/GCMS	57S-98-14X	12DCD4	SX571401	ADV1S*12	YGOL	20-MAY-98	28-MAY-98	.05	.051	UGG	102.0
ABB-ES	LM19	VOLATILES/SOIL/GCMS	57S-98-14X	12DCD4	SX571401	ADV1S*12	YGOL	20-MAY-98	28-MAY-98	.05	.051	UGG	102.0
ABB-ES	LM19	VOLATILES/SOIL/GCMS	57S-98-15X	12DCD4	SX571503	ADV1S*13	YGOL	20-MAY-98	28-MAY-98	.05	.053	UGG	106.0
ABB-ES	LM19	VOLATILES/SOIL/GCMS	57D-98-01X	12DCD4	DX570100	ADV1S*14	YGOL	21-MAY-98	28-MAY-98	.05	.053	UGG	106.0
ABB-ES	LM19	VOLATILES/SOIL/GCMS	57D-98-02X	12DCD4	DX570200	ADV1S*15	YGOL	21-MAY-98	28-MAY-98	.05	.052	UGG	104.0
ABB-ES	LM19	VOLATILES/SOIL/GCMS	57D-98-03X	12DCD4	DX570300	ADV1S*16	YGOL	21-MAY-98	29-MAY-98	.05	.055	UGG	110.0
ABB-ES	LM19	VOLATILES/SOIL/GCMS	57D-98-04X	12DCD4	DX570400	ADV1S*17	YGOL	21-MAY-98	29-MAY-98	.05	.045	UGG	90.0
ABB-ES	LM19	VOLATILES/SOIL/GCMS	57D-98-05X	12DCD4	DX570500	ADV1S*18	YGOL	21-MAY-98	29-MAY-98	.05	.049	UGG	98.0
ABB-ES	LM19	VOLATILES/SOIL/GCMS	57D-98-06X	12DCD4	DX570600	ADV1S*19	YGOL	21-MAY-98	29-MAY-98	.05	.053	UGG	106.0
ABB-ES	LM19	VOLATILES/SOIL/GCMS	57D-98-07X	12DCD4	DX570700	ADV1S*20	YGOL	21-MAY-98	29-MAY-98	.05	.049	UGG	98.0
ABB-ES	LM19	VOLATILES/SOIL/GCMS	57D-98-08X	12DCD4	DX570800	ADV1S*21	YGOL	21-MAY-98	29-MAY-98	.05	.05	UGG	100.0
ABB-ES	LM19	VOLATILES/SOIL/GCMS	57S-98-07X	12DCD4	SX570700	ADV1S*27	YGOL	19-MAY-98	29-MAY-98	.05	.054	UGG	108.0
ABB-ES	LM19	VOLATILES/SOIL/GCMS	57S-98-01X	12DCD4	SX570101	LADV1S*1	YGOL	19-MAY-98	28-MAY-98	.05	.049	UGG	98.0
ABB-ES	LM19	VOLATILES/SOIL/GCMS	57S-98-02X	12DCD4	SX570200	LADV1S*2	YGOL	19-MAY-98	28-MAY-98	.05	.052	UGG	104.0
ABB-ES	LM19	VOLATILES/SOIL/GCMS	57S-98-03X	12DCD4	SX570302	LADV1S*3	YGOL	19-MAY-98	28-MAY-98	.05	.053	UGG	106.0
ABB-ES	LM19	VOLATILES/SOIL/GCMS	57S-98-04X	12DCD4	SX570401	LADV1S*4	YGOL	19-MAY-98	28-MAY-98	.05	.054	UGG	108.0
ABB-ES	LM19	VOLATILES/SOIL/GCMS	57S-98-05X	12DCD4	SX570503	LADV1S*5	YGOL	19-MAY-98	28-MAY-98	.05	.054	UGG	108.0
ABB-ES	LM19	VOLATILES/SOIL/GCMS	57S-98-06X	12DCD4	SX570601	LADV1S*6	YGOL	19-MAY-98	28-MAY-98	.05	.054	UGG	108.0
ABB-ES	LM19	VOLATILES/SOIL/GCMS	57S-98-07X	12DCD4	SX570700	LADV1S*7	YGOL	19-MAY-98	28-MAY-98	.05	.053	UGG	106.0
ABB-ES	LM19	VOLATILES/SOIL/GCMS	57S-98-07X	12DCD4	SX570701	LADV1S*8	YGOL	19-MAY-98	28-MAY-98	.05	.055	UGG	110.0
ABB-ES	LM19	VOLATILES/SOIL/GCMS	57S-98-08X	12DCD4	SX570800	LADV1S*9	YGOL	19-MAY-98	28-MAY-98	.05	.056	UGG	112.0

avg													104.6
minimum													90.0
maximum													112.0
ABB-ES	LM19	VOLATILES/SOIL/GCMS	57S-98-09X	48FB	SX570900	ADV1S*10	YGOL	19-MAY-98	28-MAY-98	.05	.048	UGG	96.0
ABB-ES	LM19	VOLATILES/SOIL/GCMS	57S-98-13X	48FB	SX571301	ADV1S*11	YGOL	20-MAY-98	28-MAY-98	.05	.045	UGG	90.0
ABB-ES	LM19	VOLATILES/SOIL/GCMS	57S-98-14X	48FB	SX571401	ADV1S*12	YGOL	20-MAY-98	28-MAY-98	.05	.051	UGG	102.0
ABB-ES	LM19	VOLATILES/SOIL/GCMS	57S-98-14X	48FB	SX571401	ADV1S*12	YGOL	20-MAY-98	28-MAY-98	.05	.047	UGG	94.0
ABB-ES	LM19	VOLATILES/SOIL/GCMS	57S-98-14X	48FB	SX571401	ADV1S*12	YGOL	20-MAY-98	28-MAY-98	.05	.043	UGG	86.0
ABB-ES	LM19	VOLATILES/SOIL/GCMS	57S-98-15X	48FB	SX571503	ADV1S*13	YGOL	20-MAY-98	28-MAY-98	.05	.048	UGG	96.0
ABB-ES	LM19	VOLATILES/SOIL/GCMS	57D-98-01X	48FB	DX570100	ADV1S*14	YGOL	21-MAY-98	28-MAY-98	.05	.045	UGG	90.0
ABB-ES	LM19	VOLATILES/SOIL/GCMS	57D-98-02X	48FB	DX570200	ADV1S*15	YGOL	21-MAY-98	28-MAY-98	.05	.041	UGG	82.0
ABB-ES	LM19	VOLATILES/SOIL/GCMS	57D-98-03X	48FB	DX570300	ADV1S*16	YGOL	21-MAY-98	29-MAY-98	.05	.042	UGG	84.0
ABB-ES	LM19	VOLATILES/SOIL/GCMS	57D-98-04X	48FB	DX570400	ADV1S*17	YGOL	21-MAY-98	29-MAY-98	.05	.04	UGG	80.0

TABLE D-5

VOLATILE SURROGATE RESULTS
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Code	Test Name	IRDMIS Field		Lab Number	Sample Date	Analysis Date	Spike Value	Value Unit	Percent Recovery
			IRDMIS Site ID	Field Number						
ABB-ES	LM19	48FB	57D-98-05X	DX570500	ADV1S*18	YGOL 21-MAY-98	29-MAY-98	.05	.037 UGG	74.0
ABB-ES	LM19	48FB	57D-98-06X	DX570600	ADV1S*19	YGOL 21-MAY-98	29-MAY-98	.05	.038 UGG	76.0
ABB-ES	LM19	48FB	57D-98-07X	DX570700	ADV1S*20	YGOL 21-MAY-98	29-MAY-98	.05	.037 UGG	74.0
ABB-ES	LM19	48FB	57D-98-08X	DX570800	ADV1S*21	YGOL 21-MAY-98	29-MAY-98	.05	.037 UGG	74.0
ABB-ES	LM19	48FB	57S-98-07X	SD570700	ADV1S*27	YGOL 19-MAY-98	29-MAY-98	.05	.05 UGG	100.0
ABB-ES	LM19	48FB	57S-98-01X	SX570101	LADV1S*1	YGOL 19-MAY-98	28-MAY-98	.05	.045 UGG	90.0
ABB-ES	LM19	48FB	57S-98-02X	SX570200	LADV1S*2	YGOL 19-MAY-98	28-MAY-98	.05	.049 UGG	98.0
ABB-ES	LM19	48FB	57S-98-03X	SX570302	LADV1S*3	YGOL 19-MAY-98	28-MAY-98	.05	.046 UGG	92.0
ABB-ES	LM19	48FB	57S-98-04X	SX570401	LADV1S*4	YGOL 19-MAY-98	28-MAY-98	.05	.049 UGG	98.0
ABB-ES	LM19	48FB	57S-98-05X	SX570503	LADV1S*5	YGOL 19-MAY-98	28-MAY-98	.05	.043 UGG	86.0
ABB-ES	LM19	48FB	57S-98-06X	SX570601	LADV1S*6	YGOL 19-MAY-98	28-MAY-98	.05	.049 UGG	98.0
ABB-ES	LM19	48FB	57S-98-07X	SX570700	LADV1S*7	YGOL 19-MAY-98	28-MAY-98	.05	.047 UGG	94.0
ABB-ES	LM19	48FB	57S-98-08X	SX570800	LADV1S*8	YGOL 19-MAY-98	28-MAY-98	.05	.052 UGG	104.0

avg										
minimum										
maximum										
ABB-ES	LM19	MEC608	57S-98-09X	SX570900	ADV1S*10	YGOL 19-MAY-98	28-MAY-98	.05	.056 UGG	112.0
ABB-ES	LM19	MEC608	57S-98-13X	SX571301	ADV1S*11	YGOL 20-MAY-98	28-MAY-98	.05	.062 UGG	124.0
ABB-ES	LM19	MEC608	57S-98-14X	SX571401	ADV1S*12	YGOL 20-MAY-98	28-MAY-98	.05	.055 UGG	110.0
ABB-ES	LM19	MEC608	57S-98-14X	SX571401	ADV1S*12	YGOL 20-MAY-98	28-MAY-98	.05	.054 UGG	108.0
ABB-ES	LM19	MEC608	57S-98-14X	SX571401	ADV1S*12	YGOL 20-MAY-98	28-MAY-98	.05	.053 UGG	106.0
ABB-ES	LM19	MEC608	57S-98-15X	SX571503	ADV1S*13	YGOL 20-MAY-98	28-MAY-98	.05	.055 UGG	110.0
ABB-ES	LM19	MEC608	57D-98-01X	DX570100	ADV1S*14	YGOL 21-MAY-98	28-MAY-98	.05	.059 UGG	118.0
ABB-ES	LM19	MEC608	57D-98-02X	DX570200	ADV1S*15	YGOL 21-MAY-98	28-MAY-98	.05	.063 UGG	126.0
ABB-ES	LM19	MEC608	57D-98-03X	DX570300	ADV1S*16	YGOL 21-MAY-98	29-MAY-98	.05	.064 UGG	128.0
ABB-ES	LM19	MEC608	57D-98-04X	DX570400	ADV1S*17	YGOL 21-MAY-98	29-MAY-98	.05	.049 UGG	98.0
ABB-ES	LM19	MEC608	57D-98-05X	DX570500	ADV1S*18	YGOL 21-MAY-98	29-MAY-98	.05	.057 UGG	114.0
ABB-ES	LM19	MEC608	57D-98-06X	DX570600	ADV1S*19	YGOL 21-MAY-98	29-MAY-98	.05	.071 UGG	142.0
ABB-ES	LM19	MEC608	57D-98-07X	DX570700	ADV1S*20	YGOL 21-MAY-98	29-MAY-98	.05	.069 UGG	138.0
ABB-ES	LM19	MEC608	57D-98-08X	DX570800	ADV1S*21	YGOL 21-MAY-98	29-MAY-98	.05	.072 UGG	144.0
ABB-ES	LM19	MEC608	57S-98-07X	SD570700	ADV1S*27	YGOL 19-MAY-98	29-MAY-98	.05	.056 UGG	112.0
ABB-ES	LM19	MEC608	57S-98-01X	SX570101	LADV1S*1	YGOL 19-MAY-98	28-MAY-98	.05	.052 UGG	104.0
ABB-ES	LM19	MEC608	57S-98-02X	SX570200	LADV1S*2	YGOL 19-MAY-98	28-MAY-98	.05	.055 UGG	110.0
ABB-ES	LM19	MEC608	57S-98-03X	SX570302	LADV1S*3	YGOL 19-MAY-98	28-MAY-98	.05	.055 UGG	110.0
ABB-ES	LM19	MEC608	57S-98-04X	SX570401	LADV1S*4	YGOL 19-MAY-98	28-MAY-98	.05	.056 UGG	112.0
ABB-ES	LM19	MEC608	57S-98-05X	SX570503	LADV1S*5	YGOL 19-MAY-98	28-MAY-98	.05	.055 UGG	110.0

TABLE D-5

VOLATILE SURROGATE RESULTS
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS Method Code	IRDMIS Test Name	IRDMIS Site ID	IRDMIS Sample Number	Lab Number	Sample Date	Analysis Date	Spike Value	Value Unit	Percent Recovery
ABB-ES	VOLATILES/SOIL/GCMS	LM19	MEC608	57S-98-06X	SX570601	LADVIS*6	YGOL 19-MAY-98	28-MAY-98	.05	.062 UGG	124.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	MEC608	57S-98-07X	SX570700	LADVIS*7	YGOL 19-MAY-98	28-MAY-98	.05	.057 UGG	114.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	MEC608	57S-98-07X	SX570701	LADVIS*8	YGOL 19-MAY-98	28-MAY-98	.05	.062 UGG	124.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	MEC608	57S-98-08X	SX570800	LADVIS*9	YGOL 19-MAY-98	28-MAY-98	.05	.058 UGG	116.0

	avg										117.3
	minimum										98.0
	maximum										144.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	120CD4	57W-98-05X	WX570500	ADV1W*11	XDGV 21-MAY-98	03-JUN-98	50	51 UGL	102.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	120CD4	57W-98-06X	WX570600	ADV1W*13	XDGV 21-MAY-98	03-JUN-98	50	53 UGL	106.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	120CD4	57W-98-07X	WX570700	ADV1W*15	XDGV 21-MAY-98	03-JUN-98	50	54 UGL	108.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	120CD4	57W-98-08X	WX570800	ADV1W*17	XDGV 21-MAY-98	03-JUN-98	50	52 UGL	104.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	120CD4	TBK-98-02X	TBK98002	ADV1W*19	XDGV 21-MAY-98	03-JUN-98	50	54 UGL	108.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	120CD4	57P-98-02X	MX5702XX	ADV1W*20	XDGV 26-MAY-98	03-JUN-98	50	51 UGL	102.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	120CD4	57P-98-03X	MX5703XX	ADV1W*22	XDGV 26-MAY-98	03-JUN-98	50	53 UGL	106.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	120CD4	57P-98-04X	MX5704XX	ADV1W*24	XDGV 26-MAY-98	03-JUN-98	50	53 UGL	106.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	120CD4	57W-96-11X	MX5711XX	ADV1W*26	XDGV 27-MAY-98	03-JUN-98	50	55 UGL	110.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	120CD4	57W-96-11X	MX5711XX	ADV1W*26	XDGV 27-MAY-98	03-JUN-98	50	54 UGL	108.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	120CD4	57W-96-11X	MX5711XX	ADV1W*26	XDGV 27-MAY-98	03-JUN-98	50	54 UGL	108.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	120CD4	57W-96-11X	MX5711XX	ADV1W*26	XDGV 27-MAY-98	03-JUN-98	50	55 UGL	110.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	120CD4	57W-96-11X	MD5711XX	ADV1W*28	XDGV 27-MAY-98	03-JUN-98	50	55 UGL	106.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	120CD4	TBK-98-001	TBK98001	ADV1W*30	XDGV 27-MAY-98	03-JUN-98	50	53 UGL	104.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	120CD4	TBK-98-001	TBK98001	ADV1W*30	XDGV 27-MAY-98	03-JUN-98	50	52 UGL	104.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	120CD4	SBK-98-001	SBK98001	LADV1W*2	XDGV 20-MAY-98	03-JUN-98	50	52 UGL	104.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	120CD4	57W-98-01X	WX570100	LADV1W*3	XDGV 21-MAY-98	03-JUN-98	50	52 UGL	104.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	120CD4	57W-98-02X	WX570200	LADV1W*5	XDGV 21-MAY-98	03-JUN-98	50	53 UGL	106.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	120CD4	57W-98-03X	WX570300	LADV1W*7	XDGV 21-MAY-98	03-JUN-98	50	52 UGL	104.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	120CD4	57W-98-04X	WX570400	LADV1W*9	XDGV 21-MAY-98	03-JUN-98	50	53 UGL	106.0

	avg										105.9
	minimum										102.0
	maximum										110.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	48FB	57W-98-05X	WX570500	ADV1W*11	XDGV 21-MAY-98	03-JUN-98	50	48 UGL	96.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	48FB	57W-98-06X	WX570600	ADV1W*13	XDGV 21-MAY-98	03-JUN-98	50	50 UGL	100.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	48FB	57W-98-07X	WX570700	ADV1W*15	XDGV 21-MAY-98	03-JUN-98	50	49 UGL	98.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	48FB	57W-98-08X	WX570800	ADV1W*17	XDGV 21-MAY-98	03-JUN-98	50	46 UGL	92.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	48FB	TBK-98-02X	TBK98002	ADV1W*19	XDGV 21-MAY-98	03-JUN-98	50	50 UGL	100.0

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value	Unit	Percent Recovery
ABB-ES	VOLATILES/WATER/GCMS	UM20	4BFB	57P-98-02X	MX5702XX	ADV1W*20	XDGV	26-MAY-98	03-JUN-98	50	48	UGL	96.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	4BFB	57P-98-03X	MX5703XX	ADV1W*22	XDGV	26-MAY-98	03-JUN-98	50	49	UGL	98.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	4BFB	57P-98-04X	MX5704XX	ADV1W*24	XDGV	26-MAY-98	03-JUN-98	50	51	UGL	102.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	4BFB	57M-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	03-JUN-98	50	50	UGL	100.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	4BFB	57M-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	03-JUN-98	50	50	UGL	100.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	4BFB	57M-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	03-JUN-98	50	49	UGL	98.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	4BFB	57M-96-11X	MX5711XX	ADV1W*28	XDGV	27-MAY-98	03-JUN-98	50	51	UGL	102.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	4BFB	TBK-98-03X	TBK98003	ADV1W*30	XDGV	27-MAY-98	03-JUN-98	50	47	UGL	94.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	4BFB	TBK-98-001	TBK98001	LADV1W*1	XDGV	20-MAY-98	03-JUN-98	50	49	UGL	98.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	4BFB	SBK-98-001	SBK98001	LADV1W*2	XDGV	20-MAY-98	03-JUN-98	50	51	UGL	102.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	4BFB	57M-98-01X	MX570100	LADV1W*3	XDGV	21-MAY-98	03-JUN-98	50	51	UGL	102.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	4BFB	57M-98-02X	MX570200	LADV1W*5	XDGV	21-MAY-98	03-JUN-98	50	50	UGL	100.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	4BFB	57M-98-03X	MX570300	LADV1W*7	XDGV	21-MAY-98	03-JUN-98	50	50	UGL	100.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	4BFB	57M-98-04X	MX570400	LADV1W*9	XDGV	21-MAY-98	03-JUN-98	50	51	UGL	102.0

			avg										98.9
			minimum										92.0
			maximum										102.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	MEC608	57M-98-05X	MX570500	ADV1W*11	XDGV	21-MAY-98	03-JUN-98	50	49	UGL	98.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	MEC608	57M-98-06X	MX570600	ADV1W*13	XDGV	21-MAY-98	03-JUN-98	50	50	UGL	100.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	MEC608	57M-98-07X	MX570700	ADV1W*15	XDGV	21-MAY-98	03-JUN-98	50	50	UGL	100.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	MEC608	TBK-98-08X	TBK98080	ADV1W*17	XDGV	21-MAY-98	03-JUN-98	50	46	UGL	92.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	MEC608	TBK-98-02X	TBK98002	ADV1W*19	XDGV	21-MAY-98	03-JUN-98	50	51	UGL	102.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	MEC608	57P-98-02X	MX5702XX	ADV1W*20	XDGV	26-MAY-98	03-JUN-98	50	49	UGL	98.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	MEC608	57P-98-03X	MX5703XX	ADV1W*22	XDGV	26-MAY-98	03-JUN-98	50	50	UGL	100.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	MEC608	57P-98-04X	MX5704XX	ADV1W*24	XDGV	26-MAY-98	03-JUN-98	50	51	UGL	102.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	MEC608	57M-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	03-JUN-98	50	50	UGL	100.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	MEC608	57M-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	03-JUN-98	50	49	UGL	98.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	MEC608	57M-96-11X	MX5711XX	ADV1W*28	XDGV	27-MAY-98	03-JUN-98	50	49	UGL	98.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	MEC608	57M-96-11X	MX5711XX	ADV1W*28	XDGV	27-MAY-98	03-JUN-98	50	51	UGL	102.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	MEC608	TBK-98-03X	TBK98003	ADV1W*30	XDGV	27-MAY-98	03-JUN-98	50	48	UGL	96.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	MEC608	TBK-98-001	TBK98001	LADV1W*1	XDGV	20-MAY-98	03-JUN-98	50	51	UGL	102.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	MEC608	SBK-98-001	SBK98001	LADV1W*2	XDGV	20-MAY-98	03-JUN-98	50	53	UGL	106.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	MEC608	57M-98-01X	MX570100	LADV1W*3	XDGV	21-MAY-98	03-JUN-98	50	51	UGL	102.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	MEC608	57M-98-02X	MX570200	LADV1W*5	XDGV	21-MAY-98	03-JUN-98	50	51	UGL	102.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	MEC608	57M-98-03X	MX570300	LADV1W*7	XDGV	21-MAY-98	03-JUN-98	50	50	UGL	100.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	MEC608	57M-98-04X	MX570400	LADV1W*9	XDGV	21-MAY-98	03-JUN-98	50	52	UGL	104.0

TABLE D-5
VOLATILE SURROGATE RESULTS
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value Unit	Percent Recovery
		avg									100.1
		minimum									92.0
		maximum									106.0

TABLE D-6

SEMIVOLATILE SURROGATE RESULTS
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value Unit	Percent Recovery
ABB-ES	ORGANICS/SOIL/GCMS	LM18	246TBP	57S-98-09X	SX570900	ADV1S*10	OEYL	19-MAY-98	29-MAY-98	6.7	6.6 UGG	98.5
ABB-ES	ORGANICS/SOIL/GCMS	LM18	246TBP	57S-98-13X	SX571301	ADV1S*11	OEYL	20-MAY-98	29-MAY-98	6.7	6.1 UGG	91.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	246TBP	57S-98-14X	SX571401	ADV1S*12	OEYL	20-MAY-98	29-MAY-98	6.7	6.8 UGG	101.5
ABB-ES	ORGANICS/SOIL/GCMS	LM18	246TBP	57S-98-14X	SX571401	ADV1S*12	OEYL	20-MAY-98	29-MAY-98	6.7	6.4 UGG	95.5
ABB-ES	ORGANICS/SOIL/GCMS	LM18	246TBP	57S-98-14X	SX571401	ADV1S*12	OEYL	20-MAY-98	29-MAY-98	6.7	6.3 UGG	94.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	246TBP	57S-98-15X	SX571503	ADV1S*13	OEYL	20-MAY-98	29-MAY-98	6.7	5.9 UGG	88.1
ABB-ES	ORGANICS/SOIL/GCMS	LM18	246TBP	57D-98-01X	DX570100	ADV1S*14	OEYL	21-MAY-98	16-JUN-98	6.7	5.9 UGG	88.1
ABB-ES	ORGANICS/SOIL/GCMS	LM18	246TBP	57D-98-02X	DX570200	ADV1S*15	OEYL	21-MAY-98	16-JUN-98	6.7	6 UGG	89.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18	246TBP	57D-98-03X	DX570300	ADV1S*16	OEYL	21-MAY-98	16-JUN-98	6.7	5.8 UGG	86.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18	246TBP	57D-98-04X	DX570400	ADV1S*17	OEYL	21-MAY-98	16-JUN-98	6.7	6 UGG	89.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18	246TBP	57D-98-05X	DX570500	ADV1S*18	OEYL	21-MAY-98	16-JUN-98	6.7	6 UGG	89.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18	246TBP	57D-98-06X	DX570600	ADV1S*19	OEYL	21-MAY-98	16-JUN-98	6.7	6.3 UGG	94.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	246TBP	57D-98-07X	DX570700	ADV1S*20	OEYL	21-MAY-98	17-JUN-98	6.7	6.4 UGG	95.5
ABB-ES	ORGANICS/SOIL/GCMS	LM18	246TBP	57D-98-08X	DX570800	ADV1S*21	OEYL	21-MAY-98	17-JUN-98	6.7	6.6 UGG	98.5
ABB-ES	ORGANICS/SOIL/GCMS	LM18	246TBP	57S-98-07X	SD570700	ADV1S*27	OEYL	19-MAY-98	29-MAY-98	6.7	3 UGG	44.8
ABB-ES	ORGANICS/SOIL/GCMS	LM18	246TBP	57S-98-01X	SX570101	LADV1S*1	OEYL	19-MAY-98	28-MAY-98	6.7	6.2 UGG	92.5
ABB-ES	ORGANICS/SOIL/GCMS	LM18	246TBP	57S-98-03X	SX570302	LADV1S*3	OEYL	19-MAY-98	28-MAY-98	6.7	6.2 UGG	92.5
ABB-ES	ORGANICS/SOIL/GCMS	LM18	246TBP	57S-98-04X	SX570401	LADV1S*4	OEYL	19-MAY-98	28-MAY-98	6.7	6 UGG	89.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18	246TBP	57S-98-05X	SX570503	LADV1S*5	OEYL	19-MAY-98	28-MAY-98	6.7	5.8 UGG	86.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18	246TBP	57S-98-06X	SX570601	LADV1S*6	OEYL	19-MAY-98	28-MAY-98	6.7	5.9 UGG	88.1
ABB-ES	ORGANICS/SOIL/GCMS	LM18	246TBP	57S-98-07X	SX570700	LADV1S*7	OEYL	19-MAY-98	28-MAY-98	6.7	5.9 UGG	88.1
ABB-ES	ORGANICS/SOIL/GCMS	LM18	246TBP	57S-98-07X	SX570701	LADV1S*8	OEYL	19-MAY-98	28-MAY-98	6.7	5.4 UGG	80.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18	246TBP	57S-98-08X	SX570800	LADV1S*9	OEYL	19-MAY-98	29-MAY-98	6.7	5.1 UGG	76.1
ABB-ES	ORGANICS/SOIL/GCMS	LM18	246TBP	*****	*****	*****	*****	*****	*****	6.7	6.6 UGG	98.5
			avg									89.1
			minimum									44.8
			maximum									101.5
ABB-ES	ORGANICS/SOIL/GCMS	LM18	2FBP	57S-98-09X	SX570900	ADV1S*10	OEYL	19-MAY-98	29-MAY-98	3.3	3.2 UGG	97.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	2FBP	57S-98-13X	SX571301	ADV1S*11	OEYL	20-MAY-98	29-MAY-98	3.3	2.8 UGG	84.8
ABB-ES	ORGANICS/SOIL/GCMS	LM18	2FBP	57S-98-14X	SX571401	ADV1S*12	OEYL	20-MAY-98	29-MAY-98	3.3	3.1 UGG	93.9
ABB-ES	ORGANICS/SOIL/GCMS	LM18	2FBP	57S-98-14X	SX571401	ADV1S*12	OEYL	20-MAY-98	29-MAY-98	3.3	2.8 UGG	84.8
ABB-ES	ORGANICS/SOIL/GCMS	LM18	2FBP	57S-98-14X	SX571401	ADV1S*12	OEYL	20-MAY-98	29-MAY-98	3.3	2.8 UGG	84.8
ABB-ES	ORGANICS/SOIL/GCMS	LM18	2FBP	57S-98-15X	SX571503	ADV1S*13	OEYL	20-MAY-98	29-MAY-98	3.3	2.5 UGG	75.8
ABB-ES	ORGANICS/SOIL/GCMS	LM18	2FBP	57D-98-01X	DX570100	ADV1S*14	OEYL	21-MAY-98	16-JUN-98	3.3	2.6 UGG	78.8
ABB-ES	ORGANICS/SOIL/GCMS	LM18	2FBP	57D-98-02X	DX570200	ADV1S*15	OEYL	21-MAY-98	16-JUN-98	3.3	2.7 UGG	81.8
ABB-ES	ORGANICS/SOIL/GCMS	LM18	2FBP	57D-98-03X	DX570300	ADV1S*16	OEYL	21-MAY-98	16-JUN-98	3.3	2.5 UGG	75.8
ABB-ES	ORGANICS/SOIL/GCMS	LM18	2FBP	57D-98-04X	DX570400	ADV1S*17	OEYL	21-MAY-98	16-JUN-98	3.3	2.5 UGG	75.8

TABLE D-6

SEMIVOLATILE SURROGATE RESULTS
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Code	Method Description	Test Name	IRDMIS Field		Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value Unit	Percent Recovery
				IRDMIS Site ID	Sample Number							
ABB-ES	LM18	ORGANICS/SOIL/GCMS	2FBP	57D-98-05X	DX570500	ADV1S*18	OEYL	21-MAY-98	16-JUN-98	3.3	2.6 UGG	78.8
ABB-ES	LM18	ORGANICS/SOIL/GCMS	2FBP	57D-98-06X	DX570600	ADV1S*19	OEYL	21-MAY-98	16-JUN-98	3.3	2.7 UGG	81.8
ABB-ES	LM18	ORGANICS/SOIL/GCMS	2FBP	57D-98-07X	DX570700	ADV1S*20	OEYL	21-MAY-98	17-JUN-98	3.3	2.8 UGG	84.8
ABB-ES	LM18	ORGANICS/SOIL/GCMS	2FBP	57D-98-08X	DX570800	ADV1S*21	OEYL	21-MAY-98	17-JUN-98	3.3	2.8 UGG	84.8
ABB-ES	LM18	ORGANICS/SOIL/GCMS	2FBP	57S-98-07X	SD570700	ADV1S*27	OEYL	19-MAY-98	29-MAY-98	3.3	1.3 UGG	39.4
ABB-ES	LM18	ORGANICS/SOIL/GCMS	2FBP	57S-98-01X	SX570101	LADV1S*1	OEYL	19-MAY-98	28-MAY-98	3.3	2.9 UGG	87.9
ABB-ES	LM18	ORGANICS/SOIL/GCMS	2FBP	57S-98-02X	SX570200	LADV1S*2	OEYL	19-MAY-98	28-MAY-98	3.3	3.2 UGG	97.0
ABB-ES	LM18	ORGANICS/SOIL/GCMS	2FBP	57S-98-03X	SX570302	LADV1S*3	OEYL	19-MAY-98	28-MAY-98	3.3	3.2 UGG	97.0
ABB-ES	LM18	ORGANICS/SOIL/GCMS	2FBP	57S-98-04X	SX570401	LADV1S*4	OEYL	19-MAY-98	28-MAY-98	3.3	3 UGG	90.9
ABB-ES	LM18	ORGANICS/SOIL/GCMS	2FBP	57S-98-05X	SX570503	LADV1S*5	OEYL	19-MAY-98	28-MAY-98	3.3	3.1 UGG	93.9
ABB-ES	LM18	ORGANICS/SOIL/GCMS	2FBP	57S-98-06X	SX570601	LADV1S*6	OEYL	19-MAY-98	28-MAY-98	3.3	2.9 UGG	87.9
ABB-ES	LM18	ORGANICS/SOIL/GCMS	2FBP	57S-98-07X	SX570700	LADV1S*7	OEYL	19-MAY-98	28-MAY-98	3.3	2.6 UGG	78.8
ABB-ES	LM18	ORGANICS/SOIL/GCMS	2FBP	57S-98-07X	SX570701	LADV1S*8	OEYL	19-MAY-98	28-MAY-98	3.3	2.6 UGG	78.8
ABB-ES	LM18	ORGANICS/SOIL/GCMS	2FBP	57S-98-08X	SX570800	LADV1S*9	OEYL	19-MAY-98	29-MAY-98	3.3	3.3 UGG	100.0

			avg									84.0
			minimum									39.4
			maximum									100.0
ABB-ES	LM18	ORGANICS/SOIL/GCMS	2FP	57S-98-09X	SX570900	ADV1S*10	OEYL	19-MAY-98	29-MAY-98	6.7	6.3 UGG	94.0
ABB-ES	LM18	ORGANICS/SOIL/GCMS	2FP	57S-98-13X	SX571301	ADV1S*11	OEYL	20-MAY-98	29-MAY-98	6.7	5.6 UGG	83.6
ABB-ES	LM18	ORGANICS/SOIL/GCMS	2FP	57S-98-14X	SX571401	ADV1S*12	OEYL	20-MAY-98	29-MAY-98	6.7	5.4 UGG	80.6
ABB-ES	LM18	ORGANICS/SOIL/GCMS	2FP	57S-98-14X	SX571401	ADV1S*12	OEYL	20-MAY-98	29-MAY-98	6.7	5.3 UGG	79.1
ABB-ES	LM18	ORGANICS/SOIL/GCMS	2FP	57S-98-14X	SX571401	ADV1S*12	OEYL	20-MAY-98	29-MAY-98	6.7	5.1 UGG	76.1
ABB-ES	LM18	ORGANICS/SOIL/GCMS	2FP	57S-98-15X	SX571503	ADV1S*13	OEYL	20-MAY-98	29-MAY-98	6.7	4.2 UGG	62.7
ABB-ES	LM18	ORGANICS/SOIL/GCMS	2FP	57D-98-01X	DX570100	ADV1S*14	OEYL	21-MAY-98	16-JUN-98	6.7	5.2 UGG	77.6
ABB-ES	LM18	ORGANICS/SOIL/GCMS	2FP	57D-98-02X	DX570200	ADV1S*15	OEYL	21-MAY-98	16-JUN-98	6.7	5.7 UGG	85.1
ABB-ES	LM18	ORGANICS/SOIL/GCMS	2FP	57D-98-03X	DX570300	ADV1S*16	OEYL	21-MAY-98	16-JUN-98	6.7	5.4 UGG	80.6
ABB-ES	LM18	ORGANICS/SOIL/GCMS	2FP	57D-98-04X	DX570400	ADV1S*17	OEYL	21-MAY-98	16-JUN-98	6.7	5.3 UGG	79.1
ABB-ES	LM18	ORGANICS/SOIL/GCMS	2FP	57D-98-05X	DX570500	ADV1S*18	OEYL	21-MAY-98	16-JUN-98	6.7	5.9 UGG	88.1
ABB-ES	LM18	ORGANICS/SOIL/GCMS	2FP	57D-98-06X	DX570600	ADV1S*19	OEYL	21-MAY-98	16-JUN-98	6.7	5.8 UGG	86.6
ABB-ES	LM18	ORGANICS/SOIL/GCMS	2FP	57D-98-07X	DX570700	ADV1S*20	OEYL	21-MAY-98	17-JUN-98	6.7	5.8 UGG	86.6
ABB-ES	LM18	ORGANICS/SOIL/GCMS	2FP	57D-98-08X	DX570800	ADV1S*21	OEYL	21-MAY-98	17-JUN-98	6.7	5.8 UGG	86.6
ABB-ES	LM18	ORGANICS/SOIL/GCMS	2FP	57S-98-07X	SD570700	ADV1S*27	OEYL	19-MAY-98	29-MAY-98	6.7	2.8 UGG	41.8
ABB-ES	LM18	ORGANICS/SOIL/GCMS	2FP	57S-98-01X	SX570101	LADV1S*1	OEYL	19-MAY-98	28-MAY-98	6.7	5.4 UGG	80.6
ABB-ES	LM18	ORGANICS/SOIL/GCMS	2FP	57S-98-02X	SX570200	LADV1S*2	OEYL	19-MAY-98	28-MAY-98	6.7	6.6 UGG	98.5
ABB-ES	LM18	ORGANICS/SOIL/GCMS	2FP	57S-98-03X	SX570302	LADV1S*3	OEYL	19-MAY-98	28-MAY-98	6.7	6.8 UGG	101.5
ABB-ES	LM18	ORGANICS/SOIL/GCMS	2FP	57S-98-04X	SX570401	LADV1S*4	OEYL	19-MAY-98	28-MAY-98	6.7	5.5 UGG	82.1
ABB-ES	LM18	ORGANICS/SOIL/GCMS	2FP	57S-98-05X	SX570503	LADV1S*5	OEYL	19-MAY-98	28-MAY-98	6.7	5.3 UGG	79.1

TABLE D-6
SEMIVOLATILE SURROGATE RESULTS
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value	Unit	Percent Recovery
ABB-ES	ORGANICS/SOIL/GCMS	LM18	2FP	57S-98-06X	SX570601	LADVIS*6	OEYL	19-MAY-98	28-MAY-98	6.7	6.1	UGG	91.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	2FP	57S-98-07X	SX570700	LADVIS*7	OEYL	19-MAY-98	28-MAY-98	6.7	5.7	UGG	85.1
ABB-ES	ORGANICS/SOIL/GCMS	LM18	2FP	57S-98-07X	SX570701	LADVIS*8	OEYL	19-MAY-98	28-MAY-98	6.7	6	UGG	89.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18	2FP	57S-98-08X	SX570800	LADVIS*9	OEYL	19-MAY-98	29-MAY-98	6.7	6.5	UGG	97.0

avg													
minimum													
maximum													
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NBD5	57S-98-09X	SX570900	ADV1S*10	OEYL	19-MAY-98	29-MAY-98	3.3	3.1	UGG	93.9
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NBD5	57S-98-13X	SX571301	ADV1S*11	OEYL	20-MAY-98	29-MAY-98	3.3	2.8	UGG	84.8
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NBD5	57S-98-14X	SX571401	ADV1S*12	OEYL	20-MAY-98	29-MAY-98	3.3	2.7	UGG	81.8
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NBD5	57S-98-14X	SX571401	ADV1S*12	OEYL	20-MAY-98	29-MAY-98	3.3	2.6	UGG	78.8
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NBD5	57S-98-14X	SX571401	ADV1S*12	OEYL	20-MAY-98	29-MAY-98	3.3	2.6	UGG	78.8
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NBD5	57S-98-15X	SX571503	ADV1S*13	OEYL	20-MAY-98	29-MAY-98	3.3	2.2	UGG	66.7
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NBD5	57S-98-01X	DX570100	ADV1S*14	OEYL	21-MAY-98	16-JUN-98	3.3	2.5	UGG	75.8
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NBD5	57D-98-02X	DX570200	ADV1S*15	OEYL	21-MAY-98	16-JUN-98	3.3	2.6	UGG	78.8
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NBD5	57D-98-03X	DX570300	ADV1S*16	OEYL	21-MAY-98	16-JUN-98	3.3	2.5	UGG	75.8
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NBD5	57D-98-04X	DX570400	ADV1S*17	OEYL	21-MAY-98	16-JUN-98	3.3	2.5	UGG	75.8
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NBD5	57D-98-05X	DX570500	ADV1S*18	OEYL	21-MAY-98	16-JUN-98	3.3	2.7	UGG	81.8
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NBD5	57D-98-06X	DX570600	ADV1S*19	OEYL	21-MAY-98	16-JUN-98	3.3	2.6	UGG	78.8
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NBD5	57D-98-07X	DX570700	ADV1S*20	OEYL	21-MAY-98	17-JUN-98	3.3	2.7	UGG	81.8
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NBD5	57D-98-08X	DX570800	ADV1S*21	OEYL	21-MAY-98	17-JUN-98	3.3	2.7	UGG	81.8
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NBD5	57S-98-01X	SX570101	ADV1S*27	OEYL	19-MAY-98	29-MAY-98	3.3	1.3	UGG	39.4
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NBD5	57S-98-02X	SX570200	LADVIS*1	OEYL	19-MAY-98	28-MAY-98	3.3	2.8	UGG	84.8
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NBD5	57S-98-03X	SX570302	LADVIS*2	OEYL	19-MAY-98	28-MAY-98	3.3	3.1	UGG	93.9
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NBD5	57S-98-04X	SX570401	LADVIS*3	OEYL	19-MAY-98	28-MAY-98	3.3	3	UGG	90.9
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NBD5	57S-98-05X	SX570503	LADVIS*4	OEYL	19-MAY-98	28-MAY-98	3.3	2.8	UGG	84.8
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NBD5	57S-98-06X	SX570601	LADVIS*5	OEYL	19-MAY-98	28-MAY-98	3.3	2.8	UGG	84.8
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NBD5	57S-98-07X	SX570700	LADVIS*6	OEYL	19-MAY-98	28-MAY-98	3.3	3	UGG	90.9
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NBD5	57S-98-07X	SX570701	LADVIS*7	OEYL	19-MAY-98	28-MAY-98	3.3	2.7	UGG	81.8
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NBD5	57S-98-07X	SX570701	LADVIS*8	OEYL	19-MAY-98	28-MAY-98	3.3	2.9	UGG	87.9
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NBD5	57S-98-08X	SX570800	LADVIS*9	OEYL	19-MAY-98	29-MAY-98	3.3	3.1	UGG	93.9

avg													
minimum													
maximum													
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHEND6	57S-98-09X	SX570900	ADV1S*10	OEYL	19-MAY-98	29-MAY-98	6.7	6.6	UGG	98.5

81.2
39.4
93.9

TABLE D-6

SEMIVOLATILE SURROGATE RESULTS
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Field			Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value Unit	Percent Recovery
				IRDMIS Site ID	Sample Number								
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHEND6	57S-98-13X	SX571301	ADV1S*11	OEYL	20-MAY-98	29-MAY-98		6.7	6.1 UGG	91.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHEND6	57S-98-14X	SX571401	ADV1S*12	OEYL	20-MAY-98	29-MAY-98		6.7	5.8 UGG	86.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHEND6	57S-98-14X	SX571401	ADV1S*12	OEYL	20-MAY-98	29-MAY-98		6.7	5.7 UGG	85.1
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHEND6	57S-98-14X	SX571401	ADV1S*12	OEYL	20-MAY-98	29-MAY-98		6.7	5.4 UGG	80.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHEND6	57S-98-15X	SX571503	ADV1S*13	OEYL	20-MAY-98	29-MAY-98		6.7	4.7 UGG	70.1
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHEND6	57D-98-01X	DX570100	ADV1S*14	OEYL	21-MAY-98	16-JUN-98		6.7	5.4 UGG	80.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHEND6	57D-98-02X	DX570200	ADV1S*15	OEYL	21-MAY-98	16-JUN-98		6.7	5.5 UGG	82.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHEND6	57D-98-03X	DX570300	ADV1S*16	OEYL	21-MAY-98	16-JUN-98		6.7	5.6 UGG	83.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHEND6	57D-98-04X	DX570400	ADV1S*17	OEYL	21-MAY-98	16-JUN-98		6.7	5.4 UGG	80.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHEND6	57D-98-05X	DX570500	ADV1S*18	OEYL	21-MAY-98	16-JUN-98		6.7	5.9 UGG	88.1
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHEND6	57D-98-06X	DX570600	ADV1S*19	OEYL	21-MAY-98	16-JUN-98		6.7	5.8 UGG	86.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHEND6	57D-98-07X	DX570700	ADV1S*20	OEYL	21-MAY-98	17-JUN-98		6.7	5.9 UGG	88.1
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHEND6	57D-98-08X	DX570800	ADV1S*21	OEYL	21-MAY-98	17-JUN-98		6.7	5.8 UGG	86.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHEND6	57S-98-07X	SX570700	ADV1S*27	OEYL	19-MAY-98	29-MAY-98		6.7	3 UGG	44.8
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHEND6	57S-98-01X	SX570101	LADV1S*1	OEYL	19-MAY-98	28-MAY-98		6.7	6 UGG	89.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHEND6	57S-98-02X	SX570200	LADV1S*2	OEYL	19-MAY-98	28-MAY-98		6.7	6.7 UGG	100.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHEND6	57S-98-03X	SX570302	LADV1S*3	OEYL	19-MAY-98	28-MAY-98		6.7	6.4 UGG	95.5
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHEND6	57S-98-04X	SX570401	LADV1S*4	OEYL	19-MAY-98	28-MAY-98		6.7	5.8 UGG	86.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHEND6	57S-98-05X	SX570503	LADV1S*5	OEYL	19-MAY-98	28-MAY-98		6.7	5.8 UGG	86.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHEND6	57S-98-06X	SX570601	LADV1S*6	OEYL	19-MAY-98	28-MAY-98		6.7	6.4 UGG	95.5
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHEND6	57S-98-07X	SX570700	LADV1S*7	OEYL	19-MAY-98	28-MAY-98		6.7	5.8 UGG	86.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHEND6	57S-98-07X	SX570701	LADV1S*8	OEYL	19-MAY-98	28-MAY-98		6.7	6.2 UGG	92.5
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHEND6	57S-98-08X	SX570800	LADV1S*9	OEYL	19-MAY-98	29-MAY-98		6.7	6.8 UGG	101.5

avg													
minimum													
maximum													
ABB-ES	ORGANICS/SOIL/GCMS	LM18	TRPD14	57S-98-09X	SX570900	ADV1S*10	OEYL	19-MAY-98	29-MAY-98		3.3	3.2 UGG	97.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	TRPD14	57S-98-13X	SX571301	ADV1S*11	OEYL	20-MAY-98	29-MAY-98		3.3	2.6 UGG	78.8
ABB-ES	ORGANICS/SOIL/GCMS	LM18	TRPD14	57S-98-14X	SX571401	ADV1S*12	OEYL	20-MAY-98	29-MAY-98		3.3	3.5 UGG	106.1
ABB-ES	ORGANICS/SOIL/GCMS	LM18	TRPD14	57S-98-14X	SX571401	ADV1S*12	OEYL	20-MAY-98	29-MAY-98		3.3	3.2 UGG	97.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	TRPD14	57S-98-14X	SX571401	ADV1S*12	OEYL	20-MAY-98	29-MAY-98		3.3	3 UGG	90.9
ABB-ES	ORGANICS/SOIL/GCMS	LM18	TRPD14	57S-98-15X	SX571503	ADV1S*13	OEYL	20-MAY-98	29-MAY-98		3.3	3.2 UGG	97.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	TRPD14	57D-98-01X	DX570100	ADV1S*14	OEYL	21-MAY-98	16-JUN-98		3.3	3.4 UGG	103.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	TRPD14	57D-98-02X	DX570200	ADV1S*15	OEYL	21-MAY-98	16-JUN-98		3.3	3.3 UGG	100.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	TRPD14	57D-98-03X	DX570300	ADV1S*16	OEYL	21-MAY-98	16-JUN-98		3.3	3.3 UGG	100.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	TRPD14	57D-98-04X	DX570400	ADV1S*17	OEYL	21-MAY-98	16-JUN-98		3.3	3.3 UGG	100.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	TRPD14	57D-98-05X	DX570500	ADV1S*18	OEYL	21-MAY-98	16-JUN-98		3.3	3.1 UGG	93.9

TABLE D-6
SEMIVOLATILE SURROGATE RESULTS
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value	Unit	Percent Recovery
ABB-ES	ORGANICS/SOIL/GCMS	LM18	TRPD14	57D-98-06X	DX570600	ADV1S*19	OEYL	21-MAY-98	16-JUN-98	3.3	3.4	UGG	103.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	TRPD14	57D-98-07X	DX570700	ADV1S*20	OEYL	21-MAY-98	17-JUN-98	3.3	3.5	UGG	106.1
ABB-ES	ORGANICS/SOIL/GCMS	LM18	TRPD14	57D-98-08X	DX570800	ADV1S*21	OEYL	21-MAY-98	17-JUN-98	3.3	3.7	UGG	112.1
ABB-ES	ORGANICS/SOIL/GCMS	LM18	TRPD14	57S-98-07X	SD570700	ADV1S*27	OEYL	19-MAY-98	29-MAY-98	3.3	1.5	UGG	45.5
ABB-ES	ORGANICS/SOIL/GCMS	LM18	TRPD14	57S-98-01X	SX570101	LADV1S*1	OEYL	19-MAY-98	28-MAY-98	3.3	3	UGG	90.9
ABB-ES	ORGANICS/SOIL/GCMS	LM18	TRPD14	57S-98-02X	SX570200	LADV1S*2	OEYL	19-MAY-98	28-MAY-98	3.3	3.2	UGG	97.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	TRPD14	57S-98-03X	SX570302	LADV1S*3	OEYL	19-MAY-98	28-MAY-98	3.3	3.3	UGG	100.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	TRPD14	57S-98-04X	SX570401	LADV1S*4	OEYL	19-MAY-98	28-MAY-98	3.3	3.3	UGG	100.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	TRPD14	57S-98-05X	SX570503	LADV1S*5	OEYL	19-MAY-98	28-MAY-98	3.3	3.2	UGG	97.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	TRPD14	57S-98-06X	SX570601	LADV1S*6	OEYL	19-MAY-98	28-MAY-98	3.3	3.1	UGG	93.9
ABB-ES	ORGANICS/SOIL/GCMS	LM18	TRPD14	57S-98-07X	SX570700	LADV1S*7	OEYL	19-MAY-98	28-MAY-98	3.3	2.9	UGG	87.9
ABB-ES	ORGANICS/SOIL/GCMS	LM18	TRPD14	57S-98-08X	SX570800	LADV1S*8	OEYL	19-MAY-98	28-MAY-98	3.3	2.8	UGG	84.8
ABB-ES	ORGANICS/SOIL/GCMS	LM18	TRPD14	57S-98-08X	SX570800	LADV1S*9	OEYL	19-MAY-98	29-MAY-98	3.3	3.2	UGG	97.0

			avg										94.9
			minimum										45.5
			maximum										112.1
ABB-ES	ORGANICS/WATER/GCMS	UM18	2461BP	57W-98-05X	WX570500	ADV1W*11	WDHO	21-MAY-98	15-JUN-98	100	92	UGL	92.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	2461BP	57W-98-07X	WX570700	ADV1W*15	WDHO	21-MAY-98	15-JUN-98	100	85	UGL	85.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	2461BP	57W-98-08X	WX570800	ADV1W*17	WDHO	21-MAY-98	16-JUN-98	100	82	UGL	82.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	2461BP	57P-98-02X	WX5702XX	ADV1W*20	WDIO	26-MAY-98	16-JUN-98	100	88	UGL	88.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	2461BP	57P-98-03X	WX5703XX	ADV1W*22	WDIO	26-MAY-98	16-JUN-98	100	78	UGL	78.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	2461BP	57P-98-04X	WX5704XX	ADV1W*24	WDIO	26-MAY-98	16-JUN-98	100	51	UGL	51.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	2461BP	57M-96-11X	MX5711XX	ADV1W*26	WDIO	27-MAY-98	16-JUN-98	100	60	UGL	60.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	2461BP	57M-96-11X	MX5711XX	ADV1W*26	WDIO	27-MAY-98	16-JUN-98	100	51	UGL	51.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	2461BP	57M-96-11X	MX5711XX	ADV1W*26	WDIO	27-MAY-98	16-JUN-98	100	49	UGL	49.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	2461BP	57M-96-11X	MD5711XX	ADV1W*28	WDIO	27-MAY-98	16-JUN-98	100	66	UGL	66.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	2461BP	SBK-98-001	SBK98001	LADV1W*2	WDHO	21-MAY-98	15-JUN-98	100	88	UGL	88.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	2461BP	57W-98-02X	WX570200	LADV1W*5	WDHO	21-MAY-98	15-JUN-98	100	91	UGL	91.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	2461BP	57W-98-03X	WX570300	LADV1W*7	WDHO	21-MAY-98	15-JUN-98	100	83	UGL	83.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	2461BP	57W-98-04X	WX570400	LADV1W*9	WDHO	21-MAY-98	15-JUN-98	100	84	UGL	84.0

			avg										74.9
			minimum										49.0
			maximum										92.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	2FBP	57W-98-05X	WX570500	ADV1W*11	WDHO	21-MAY-98	15-JUN-98	50	38	UGL	76.0

TABLE D-6
SEMIVOLATILE SURROGATE RESULTS
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor		Method	IRDMIS	Test	IRDMIS	Field	Lab	Sample	Analysis	Spike	Value	Unit	Percent
		Code	Site ID	Name	Number	Number	Number	Date	Date	Value			Recovery
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-98-07X	2FBP	WX570700	ADV1W*15	WDHO	21-MAY-98	15-JUN-98	50	22	UGL	44.0
		UM18	57N-98-08X	2FBP	WX570800	ADV1W*17	WDHO	21-MAY-98	16-JUN-98	50	29	UGL	58.0
		UM18	57P-98-02X	2FBP	WX5702XX	ADV1W*20	WDIO	26-MAY-98	16-JUN-98	50	39	UGL	78.0
		UM18	57P-98-03X	2FBP	WX5703XX	ADV1W*22	WDIO	26-MAY-98	16-JUN-98	50	37	UGL	74.0
		UM18	57P-98-04X	2FBP	WX5704XX	ADV1W*24	WDIO	26-MAY-98	16-JUN-98	50	35	UGL	70.0
		UM18	57N-96-11X	2FBP	WX5711XX	ADV1W*26	WDIO	27-MAY-98	16-JUN-98	50	41	UGL	82.0
		UM18	57N-96-11X	2FBP	WX5711XX	ADV1W*26	WDIO	27-MAY-98	16-JUN-98	50	40	UGL	80.0
		UM18	57N-96-11X	2FBP	WX5711XX	ADV1W*26	WDIO	27-MAY-98	16-JUN-98	50	36	UGL	72.0
		UM18	57N-96-11X	2FBP	WX5711XX	ADV1W*28	WDIO	27-MAY-98	16-JUN-98	50	39	UGL	78.0
		UM18	SBK-98-001	2FBP	SBK98001	LADV1W*2	WDHO	21-MAY-98	15-JUN-98	50	36	UGL	72.0
		UM18	57N-98-02X	2FBP	WX570200	LADV1W*5	WDHO	21-MAY-98	15-JUN-98	50	40	UGL	80.0
		UM18	57N-98-03X	2FBP	WX570300	LADV1W*7	WDHO	21-MAY-98	15-JUN-98	50	14	UGL	28.0
		UM18	57N-98-04X	2FBP	WX570400	LADV1W*9	WDHO	21-MAY-98	15-JUN-98	50	14	UGL	28.0
		UM18	*****										-----
		UM18	avg										65.7
		UM18	minimum										28.0
		UM18	maximum										82.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-98-05X	2FP	WX570500	ADV1W*11	WDHO	21-MAY-98	15-JUN-98	100	72	UGL	72.0
		UM18	57N-98-07X	2FP	WX570700	ADV1W*15	WDHO	21-MAY-98	15-JUN-98	100	70	UGL	70.0
		UM18	57N-98-08X	2FP	WX570800	ADV1W*17	WDHO	21-MAY-98	16-JUN-98	100	61	UGL	61.0
		UM18	57P-98-02X	2FP	WX5702XX	ADV1W*20	WDIO	26-MAY-98	16-JUN-98	100	53	UGL	53.0
		UM18	57P-98-03X	2FP	WX5703XX	ADV1W*22	WDIO	26-MAY-98	16-JUN-98	100	17	UGL	17.0
		UM18	57P-98-04X	2FP	WX5704XX	ADV1W*24	WDIO	26-MAY-98	16-JUN-98	100	17	UGL	17.0
		UM18	57N-96-11X	2FP	WX5711XX	ADV1W*26	WDIO	27-MAY-98	16-JUN-98	100	17	UGL	17.0
		UM18	57N-96-11X	2FP	WX5711XX	ADV1W*26	WDIO	27-MAY-98	16-JUN-98	100	17	UGL	17.0
		UM18	57N-96-11X	2FP	WX5711XX	ADV1W*26	WDIO	27-MAY-98	16-JUN-98	100	17	UGL	17.0
		UM18	57N-96-11X	2FP	WX5711XX	ADV1W*28	WDIO	27-MAY-98	16-JUN-98	100	17	UGL	17.0
		UM18	SBK-98-001	2FP	SBK98001	LADV1W*2	WDHO	21-MAY-98	15-JUN-98	100	66	UGL	66.0
		UM18	57N-98-02X	2FP	WX570200	LADV1W*5	WDHO	21-MAY-98	15-JUN-98	100	76	UGL	76.0
		UM18	57N-98-03X	2FP	WX570300	LADV1W*7	WDHO	21-MAY-98	15-JUN-98	100	63	UGL	63.0
		UM18	57N-98-04X	2FP	WX570400	LADV1W*9	WDHO	21-MAY-98	15-JUN-98	100	68	UGL	68.0
		UM18	*****										-----
		UM18	avg										45.1
		UM18	minimum										17.0
		UM18	maximum										76.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-98-05X	NBD5	WX570500	ADV1W*11	WDHO	21-MAY-98	15-JUN-98	50	11	UGL	22.0
		UM18	57N-98-07X	NBD5	WX570700	ADV1W*15	WDHO	21-MAY-98	15-JUN-98	50	23	UGL	46.0

TABLE D-6

SEMIVOLATILE SURROGATE RESULTS
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor		Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value Unit	Percent Recovery	
ABB-ES	ORGANICS/WATER/GCMS	UM18	NBD5	57W-98-08X	WX570800	ADV1W*17	WDHO	21-MAY-98	16-JUN-98		50	29 UGL	58.0	
		UM18	NBD5	57P-98-02X	MX5702XX	ADV1W*20	WDIO	26-MAY-98	16-JUN-98		50	38 UGL	76.0	
		UM18	NBD5	57P-98-03X	MX5703XX	ADV1W*22	WDIO	26-MAY-98	16-JUN-98		50	35 UGL	70.0	
		UM18	NBD5	57P-98-04X	MX5704XX	ADV1W*24	WDIO	26-MAY-98	16-JUN-98		50	31 UGL	62.0	
		UM18	NBD5	57M-96-11X	MX5711XX	ADV1W*26	WDIO	27-MAY-98	16-JUN-98		50	41 UGL	82.0	
		UM18	NBD5	57M-96-11X	MX5711XX	ADV1W*26	WDIO	27-MAY-98	16-JUN-98		50	40 UGL	80.0	
		UM18	NBD5	57M-96-11X	MX5711XX	ADV1W*26	WDIO	27-MAY-98	16-JUN-98		50	37 UGL	74.0	
		UM18	NBD5	57M-96-11X	MX5711XX	ADV1W*28	WDIO	27-MAY-98	16-JUN-98		50	38 UGL	76.0	
		UM18	NBD5	SBK-98-001	SBK98001	LADV1W*2	WDHO	21-MAY-98	15-JUN-98		50	41 UGL	82.0	
		UM18	NBD5	57W-98-02X	WX570200	LADV1W*5	WDHO	21-MAY-98	15-JUN-98		50	15 UGL	30.0	
		UM18	NBD5	57M-98-03X	WX570300	LADV1W*7	WDHO	21-MAY-98	15-JUN-98		50	14 UGL	28.0	
		UM18	NBD5	57W-98-04X	WX570400	LADV1W*9	WDHO	21-MAY-98	15-JUN-98		50			

avg														
minimum														
maximum														
ABB-ES	ORGANICS/WATER/GCMS	UM18	PHEND6	57W-98-05X	WX570500	ADV1W*11	WDHO	21-MAY-98	15-JUN-98		100	51 UGL	51.0	
		UM18	PHEND6	57W-98-07X	WX570700	ADV1W*15	WDHO	21-MAY-98	15-JUN-98		100	51 UGL	51.0	
		UM18	PHEND6	57W-98-08X	WX570800	ADV1W*17	WDHO	21-MAY-98	16-JUN-98		100	43 UGL	43.0	
		UM18	PHEND6	57P-98-02X	MX5702XX	ADV1W*20	WDIO	26-MAY-98	16-JUN-98		100	38 UGL	38.0	
		UM18	PHEND6	57P-98-03X	MX5703XX	ADV1W*22	WDIO	26-MAY-98	16-JUN-98		100	36 UGL	36.0	
		UM18	PHEND6	57P-98-04X	MX5704XX	ADV1W*24	WDIO	26-MAY-98	16-JUN-98		100	36 UGL	36.0	
		UM18	PHEND6	57M-96-11X	MX5711XX	ADV1W*26	WDIO	27-MAY-98	16-JUN-98		100	36 UGL	36.0	
		UM18	PHEND6	57M-96-11X	MX5711XX	ADV1W*26	WDIO	27-MAY-98	16-JUN-98		100	36 UGL	36.0	
		UM18	PHEND6	57M-96-11X	MX5711XX	ADV1W*26	WDIO	27-MAY-98	16-JUN-98		100	36 UGL	36.0	
		UM18	PHEND6	57M-96-11X	MD5711XX	ADV1W*28	WDIO	27-MAY-98	16-JUN-98		100	36 UGL	36.0	
		UM18	PHEND6	SBK-98-001	SBK98001	LADV1W*2	WDHO	21-MAY-98	15-JUN-98		100	49 UGL	49.0	
		UM18	PHEND6	57M-98-02X	MX570200	LADV1W*5	WDHO	21-MAY-98	15-JUN-98		100	57 UGL	57.0	
ABB-ES	ORGANICS/WATER/GCMS	UM18	PHEND6	57M-98-03X	WX570300	LADV1W*7	WDHO	21-MAY-98	15-JUN-98		100	44 UGL	44.0	
		UM18	PHEND6	57M-98-04X	WX570400	LADV1W*9	WDHO	21-MAY-98	15-JUN-98		100	46 UGL	46.0	

		avg												
minimum														
maximum														
ABB-ES	ORGANICS/WATER/GCMS	UM18	TRPD14	57W-98-05X	WX570500	ADV1W*11	WDHO	21-MAY-98	15-JUN-98		50	41 UGL	82.0	
		UM18	TRPD14	57W-98-07X	WX570700	ADV1W*15	WDHO	21-MAY-98	15-JUN-98		50	29 UGL	58.0	
		UM18	TRPD14	57W-98-08X	WX570800	ADV1W*17	WDHO	21-MAY-98	16-JUN-98		50	35 UGL	70.0	

TABLE D-6

SEMIVOLATILE SURROGATE RESULTS
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Code	Test Name	IRDMIS Field			Sample Lot	Sample Date	Analysis Date	Spike Value	Value Unit	Percent Recovery
			IRDMIS Site ID	Sample Number	Lab Number						
ABB-ES	UM18	TRPD14	57P-98-02X	MX5702XX	ADV1W*20	MD10	26-MAY-98	16-JUN-98	50	51 UGL	102.0
ABB-ES	UM18	TRPD14	57P-98-03X	MX5703XX	ADV1W*22	MD10	26-MAY-98	16-JUN-98	50	48 UGL	96.0
ABB-ES	UM18	TRPD14	57P-98-04X	MX5704XX	ADV1W*24	MD10	26-MAY-98	16-JUN-98	50	48 UGL	96.0
ABB-ES	UM18	TRPD14	57M-96-11X	MX5711XX	ADV1W*26	MD10	27-MAY-98	16-JUN-98	50	55 UGL	110.0
ABB-ES	UM18	TRPD14	57M-96-11X	MX5711XX	ADV1W*26	MD10	27-MAY-98	16-JUN-98	50	52 UGL	104.0
ABB-ES	UM18	TRPD14	57M-96-11X	MX5711XX	ADV1W*26	MD10	27-MAY-98	16-JUN-98	50	46 UGL	92.0
ABB-ES	UM18	TRPD14	57M-96-11X	MD5711XX	ADV1W*28	MD10	27-MAY-98	16-JUN-98	50	49 UGL	98.0
ABB-ES	UM18	TRPD14	SBK-98-001	SBK98001	LADV1W*2	MDHO	21-MAY-98	15-JUN-98	50	47 UGL	94.0
ABB-ES	UM18	TRPD14	57M-98-02X	WX570200	LADV1W*5	MDHO	21-MAY-98	15-JUN-98	50	47 UGL	94.0
ABB-ES	UM18	TRPD14	57M-98-03X	WX570300	LADV1W*7	MDHO	21-MAY-98	15-JUN-98	50	20 UGL	40.0
ABB-ES	UM18	TRPD14	57W-98-04X	WX570400	LADV1W*9	MDHO	21-MAY-98	15-JUN-98	50	19 UGL	38.0

avg											83.9
minimum											38.0
maximum											110.0

TABLE D-7

PESTICIDE/PCB SURROGATE RESULTS
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value Unit	Percent Recovery
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL10BP	57S-98-09X	SX570900	ADV1S*10	UFLG	19-MAY-98	29-JUN-98	.0667	.0241 UGG	36.1
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL10BP	57S-98-13X	SX571301	ADV1S*11	UFLG	20-MAY-98	29-JUN-98	.0667	.0286 UGG	42.9
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL10BP	57S-98-14X	SX571401	ADV1S*12	UFLG	20-MAY-98	29-JUN-98	.0667	.035 UGG	52.5
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL10BP	57S-98-14X	SX571401	ADV1S*12	UFLG	20-MAY-98	29-JUN-98	.0667	.0305 UGG	45.7
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL10BP	57S-98-14X	SX571401	ADV1S*12	UFLG	20-MAY-98	29-JUN-98	.0667	.0299 UGG	44.8
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL10BP	57S-98-15X	SX571503	ADV1S*13	UFLG	21-MAY-98	28-JUN-98	.0667	.0329 UGG	49.3
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL10BP	57D-98-01X	DX570100	ADV1S*14	UFNG	21-MAY-98	28-JUN-98	.0662	.0619 UGG	93.5
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL10BP	57D-98-02X	DX570200	ADV1S*15	UFNG	21-MAY-98	28-JUN-98	.0667	.0524 UGG	78.6
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL10BP	57D-98-03X	DX570300	ADV1S*16	UFNG	21-MAY-98	28-JUN-98	.0662	.0692 UGG	104.5
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL10BP	57D-98-04X	DX570400	ADV1S*17	UFNG	21-MAY-98	28-JUN-98	.0667	.0474 UGG	71.1
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL10BP	57D-98-05X	DX570500	ADV1S*18	UFNG	21-MAY-98	28-JUN-98	.0662	.0194 UGG	29.3
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL10BP	57D-98-06X	DX570600	ADV1S*19	UFNG	21-MAY-98	28-JUN-98	.0667	.0456 UGG	68.4
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL10BP	57D-98-07X	DX570700	ADV1S*20	UFNG	21-MAY-98	28-JUN-98	.0667	.0498 UGG	74.7
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL10BP	57D-98-08X	DX570800	ADV1S*21	UFNG	21-MAY-98	28-JUN-98	.0667	.0481 UGG	72.1
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL10BP	57S-98-07X	SX570700	ADV1S*1	UFLG	19-MAY-98	29-JUN-98	.0667	.0284 UGG	42.6
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL10BP	57S-98-07X	SX570700	ADV1S*1	UFLG	19-MAY-98	29-JUN-98	.0667	.0559 UGG	83.8
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL10BP	57S-98-02X	SX570200	LADV1S*2	UFLG	19-MAY-98	29-JUN-98	.0667	.037 UGG	55.5
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL10BP	57S-98-03X	SX570302	LADV1S*3	UFLG	19-MAY-98	29-JUN-98	.0667	.00931 UGG	14.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL10BP	57S-98-04X	SX570401	LADV1S*4	UFLG	19-MAY-98	29-JUN-98	.0667	.0288 UGG	43.2
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL10BP	57S-98-05X	SX570503	LADV1S*5	UFLG	19-MAY-98	29-JUN-98	.0667	.0203 UGG	30.4
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL10BP	57S-98-06X	SX570601	LADV1S*6	UFMG	19-MAY-98	30-MAY-98	.0667	.0445 UGG	66.7
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL10BP	57S-98-07X	SX570700	LADV1S*7	UFLG	19-MAY-98	29-JUN-98	.0667	.0245 UGG	36.7
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL10BP	57S-98-08X	SX570800	LADV1S*8	UFLG	19-MAY-98	29-JUN-98	.0667	.0136 UGG	20.4
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL10BP	57S-98-08X	SX570800	LADV1S*9	UFLG	19-MAY-98	29-JUN-98	.0662	.0242 UGG	36.6
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL10BP				UFNG		29-JUN-98	.0667	.0593 UGG	88.9
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL10BP				UFMG		28-JUN-98	.0667	.0552 UGG	82.8
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL10BP				UFMG		30-MAY-98	.0667	.0542 UGG	81.3
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL10BP				UFMG		30-MAY-98	.0667	.048 UGG	72.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL10BP				UFLG		29-JUN-98	.0667	.0413 UGG	61.9
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL10BP				UFNG		28-JUN-98	.0667	.0346 UGG	51.9

			avg									57.7
			minimum									14.0
			maximum									104.5
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL4XYL	57S-98-09X	SX570900	ADV1S*10	UFLG	19-MAY-98	29-JUN-98	.0667	.0503 UGG	75.4
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL4XYL	57S-98-13X	SX571301	ADV1S*11	UFLG	20-MAY-98	29-JUN-98	.0667	.0474 UGG	71.1
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL4XYL	57S-98-14X	SX571401	ADV1S*12	UFLG	20-MAY-98	29-JUN-98	.0667	.0473 UGG	70.9
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL4XYL	57S-98-14X	SX571401	ADV1S*12	UFLG	20-MAY-98	29-JUN-98	.0667	.0452 UGG	67.8

TABLE D-7
PESTICIDE/PCB SURROGATE RESULTS
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample			Lot	Sample Date	Analysis Date	Spike Value	Value Unit	Percent Recovery
					Number	Lab Number	Number						
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL4XYL	57S-98-14X	SX571401	ADV1S*12	UFLG	20-MAY-98	29-JUN-98		.0667	.0435 UGG	65.2
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL4XYL	57S-98-15X	SX571503	ADV1S*13	UFLG	20-MAY-98	29-JUN-98		.0667	.0535 UGG	80.2
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL4XYL	57D-98-01X	DX570100	ADV1S*14	UFNG	21-MAY-98	28-JUN-98		.0662	.0492 UGG	74.3
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL4XYL	57D-98-02X	DX570200	ADV1S*15	UFNG	21-MAY-98	28-JUN-98		.0667	.0503 UGG	75.4
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL4XYL	57D-98-03X	DX570300	ADV1S*16	UFNG	21-MAY-98	28-JUN-98		.0662	.0501 UGG	75.7
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL4XYL	57D-98-04X	DX570400	ADV1S*17	UFNG	21-MAY-98	28-JUN-98		.0667	.0469 UGG	70.3
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL4XYL	57D-98-05X	DX570500	ADV1S*18	UFNG	21-MAY-98	28-JUN-98		.0662	.0312 UGG	47.1
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL4XYL	57D-98-06X	DX570600	ADV1S*19	UFNG	21-MAY-98	28-JUN-98		.0667	.0462 UGG	69.3
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL4XYL	57D-98-07X	DX570700	ADV1S*20	UFNG	21-MAY-98	28-JUN-98		.0667	.0469 UGG	70.3
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL4XYL	57D-98-08X	DX570800	ADV1S*21	UFNG	21-MAY-98	28-JUN-98		.0667	.0515 UGG	77.2
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL4XYL	57S-98-01X	SX570101	ADV1S*27	UFLG	19-MAY-98	29-JUN-98		.0667	.0429 UGG	64.3
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL4XYL	57S-98-02X	SX570200	LADV1S*1	UFLG	19-MAY-98	29-JUN-98		.0667	.0538 UGG	80.7
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL4XYL	57S-98-03X	SX570302	LADV1S*2	UFLG	19-MAY-98	29-JUN-98		.0667	.0491 UGG	73.6
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL4XYL	57S-98-04X	SX570401	LADV1S*3	UFLG	19-MAY-98	29-JUN-98		.0667	.0362 UGG	54.3
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL4XYL	57S-98-05X	SX570503	LADV1S*4	UFLG	19-MAY-98	29-JUN-98		.0667	.0457 UGG	68.5
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL4XYL	57S-98-06X	SX570601	LADV1S*5	UFLG	19-MAY-98	29-JUN-98		.0667	.0483 UGG	72.4
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL4XYL	57S-98-07X	SX570700	LADV1S*6	UFNG	19-MAY-98	30-MAY-98		.0667	.0493 UGG	73.9
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL4XYL	57S-98-08X	SX570800	LADV1S*7	UFNG	19-MAY-98	29-JUN-98		.0667	.0431 UGG	64.6
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL4XYL	57S-98-09X	SX570900	LADV1S*8	UFNG	19-MAY-98	29-JUN-98		.0667	.0384 UGG	57.6
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL4XYL	57S-98-10X	SX571000	LADV1S*9	UFNG	19-MAY-98	29-JUN-98		.0662	.0524 UGG	79.2
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL4XYL	57S-98-11X	SX571100	LADV1S*10	UFNG	19-MAY-98	29-JUN-98		.0667	.0524 UGG	78.6
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL4XYL	57S-98-12X	SX571200	LADV1S*11	UFNG	19-MAY-98	29-JUN-98		.0667	.051 UGG	76.5
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL4XYL	57S-98-13X	SX571301	LADV1S*12	UFNG	19-MAY-98	30-MAY-98		.0667	.0493 UGG	73.9
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL4XYL	57S-98-14X	SX571401	LADV1S*13	UFNG	19-MAY-98	30-MAY-98		.0667	.0485 UGG	72.7
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL4XYL	57S-98-15X	SX571503	LADV1S*14	UFNG	19-MAY-98	28-JUN-98		.0667	.0469 UGG	70.3
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	CL4XYL	57D-98-01X	DX570100	LADV1S*15	UFNG	21-MAY-98	28-JUN-98		.0667	.045 UGG	67.5

			avg										70.6
			minimum										47.1
			maximum										80.7
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL10BP	57S-98-09X	SX570900	ADV1S*10	NG11	19-MAY-98	04-JUN-98		.0667	.0577 UGG	86.5
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL10BP	57S-98-13X	SX571301	ADV1S*11	NG11	20-MAY-98	04-JUN-98		.0667	.0634 UGG	95.1
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL10BP	57S-98-14X	SX571401	ADV1S*12	NG11	20-MAY-98	04-JUN-98		.0662	.0591 UGG	89.3
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL10BP	57S-98-15X	SX571503	ADV1S*13	NG11	20-MAY-98	04-JUN-98		.0667	.0583 UGG	87.4
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL10BP	57D-98-01X	DX570100	ADV1S*14	NG11	20-MAY-98	04-JUN-98		.0662	.0459 UGG	69.3
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL10BP	57S-98-02X	SX570200	ADV1S*15	NG11	20-MAY-98	04-JUN-98		.0667	.0567 UGG	85.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL10BP	57D-98-03X	DX570300	ADV1S*16	NG11	21-MAY-98	14-JUN-98		.0667	.0604 UGG	90.6

TABLE D-7

PESTICIDE/PCB SURROGATE RESULTS
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value Unit	Percent Recovery
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL10BP	57D-98-02X	DX570200	ADV1S*15	NGK1	21-MAY-98	14-JUN-98	.0667	.0615 UGG	92.2
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL10BP	57D-98-03X	DX570300	ADV1S*16	NGK1	21-MAY-98	14-JUN-98	.0667	.064 UGG	96.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL10BP	57D-98-04X	DX570400	ADV1S*17	NGK1	21-MAY-98	14-JUN-98	.0667	.0603 UGG	90.4
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL10BP	57D-98-05X	DX570500	ADV1S*18	NGK1	21-MAY-98	14-JUN-98	.0667	.0526 UGG	78.9
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL10BP	57D-98-06X	DX570600	ADV1S*19	NGK1	21-MAY-98	14-JUN-98	.0667	.0584 UGG	87.6
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL10BP	57D-98-07X	DX570700	ADV1S*20	NGK1	21-MAY-98	14-JUN-98	.0667	.0643 UGG	96.4
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL10BP	57D-98-08X	DX570800	ADV1S*21	NGK1	21-MAY-98	14-JUN-98	.0667	.0665 UGG	99.7
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL10BP	57S-98-07X	DX570700	ADV1S*27	NG11	19-MAY-98	04-JUN-98	.0667	.0783 UGG	117.4
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL10BP	57S-98-01X	DX570101	LADV1S*1	NG11	19-MAY-98	04-JUN-98	.0667	.0488 UGG	73.2
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL10BP	57S-98-02X	DX570200	LADV1S*2	NG11	19-MAY-98	04-JUN-98	.0667	.0767 UGG	115.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL10BP	57S-98-03X	DX570302	LADV1S*3	NG11	19-MAY-98	04-JUN-98	.0667	.0573 UGG	85.9
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL10BP	57S-98-04X	DX570401	LADV1S*4	NG11	19-MAY-98	04-JUN-98	.0667	.0673 UGG	100.9
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL10BP	57S-98-05X	DX570503	LADV1S*5	NG11	19-MAY-98	04-JUN-98	.0667	.0777 UGG	116.5
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL10BP	57S-98-06X	DX570601	LADV1S*6	NG11	19-MAY-98	04-JUN-98	.0667	.043 UGG	64.5
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL10BP	57S-98-07X	DX570700	LADV1S*7	NG11	19-MAY-98	04-JUN-98	.0667	.0676 UGG	107.2
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL10BP	57S-98-07X	DX570701	LADV1S*8	NG11	19-MAY-98	04-JUN-98	.0667	.0676 UGG	101.3
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL10BP	57S-98-08X	DX570800	LADV1S*9	NG11	19-MAY-98	04-JUN-98	.0662	.0532 UGG	83.4
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL10BP			NG11				.0662	.0649 UGG	98.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL10BP			NGK1				.0667	.0634 UGG	95.1
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL10BP			NGK1				.0662	.0501 UGG	75.7
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL10BP			NG11				.0667	.05 UGG	75.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL10BP			NG11				.0662	.0466 UGG	70.4
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL10BP			NG11				.0667	.0352 UGG	52.8

			avg									89.2
			minimum									52.8
			maximum									117.4
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL4XYL	57S-98-09X	DX570900	ADV1S*10	NG11	19-MAY-98	04-JUN-98	.0667	.0633 UGG	94.9
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL4XYL	57S-98-13X	DX571301	ADV1S*11	NG11	20-MAY-98	04-JUN-98	.0667	.0604 UGG	90.6
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL4XYL	57S-98-14X	DX571401	ADV1S*12	NG11	20-MAY-98	04-JUN-98	.0667	.0591 UGG	88.6
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL4XYL	57S-98-14X	DX571401	ADV1S*12	NG11	20-MAY-98	04-JUN-98	.0662	.0551 UGG	83.2
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL4XYL	57S-98-14X	DX571401	ADV1S*12	NG11	20-MAY-98	04-JUN-98	.0662	.053 UGG	80.1
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL4XYL	57S-98-15X	DX571503	ADV1S*13	NG11	20-MAY-98	04-JUN-98	.0667	.0645 UGG	96.7
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL4XYL	57D-98-01X	DX570100	ADV1S*14	NGK1	21-MAY-98	14-JUN-98	.0667	.0597 UGG	89.5
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL4XYL	57D-98-02X	DX570200	ADV1S*15	NGK1	21-MAY-98	14-JUN-98	.0667	.0628 UGG	94.2
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL4XYL	57D-98-03X	DX570300	ADV1S*16	NGK1	21-MAY-98	14-JUN-98	.0667	.0621 UGG	93.1
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL4XYL	57D-98-04X	DX570400	ADV1S*17	NGK1	21-MAY-98	14-JUN-98	.0667	.0588 UGG	88.2
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	CL4XYL	57D-98-05X	DX570500	ADV1S*18	NGK1	21-MAY-98	14-JUN-98	.0667	.0506 UGG	75.9

TABLE D-7
PESTICIDE/PCB SURROGATE RESULTS
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Code	Method Description	IRDMIS Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value	Unit	Percent Recovery
ABB-ES	LH16	PESTICIDES/SOIL/GCEC	CL4XYL	57D-98-06X	DX570600	ADV1S*19	NGK1	21-MAY-98	14-JUN-98	.0667	.0613	UGG	91.9
ABB-ES	LH16	PESTICIDES/SOIL/GCEC	CL4XYL	57D-98-07X	DX570700	ADV1S*20	NGK1	21-MAY-98	14-JUN-98	.0667	.0605	UGG	90.7
ABB-ES	LH16	PESTICIDES/SOIL/GCEC	CL4XYL	57D-98-08X	DX570800	ADV1S*21	NGK1	21-MAY-98	14-JUN-98	.0667	.0618	UGG	92.7
ABB-ES	LH16	PESTICIDES/SOIL/GCEC	CL4XYL	57S-98-07X	SD570700	ADV1S*27	NGI1	19-MAY-98	04-JUN-98	.0667	.0692	UGG	103.7
ABB-ES	LH16	PESTICIDES/SOIL/GCEC	CL4XYL	57S-98-01X	SD570101	LADV1S*1	NGI1	19-MAY-98	04-JUN-98	.0667	.0551	UGG	82.6
ABB-ES	LH16	PESTICIDES/SOIL/GCEC	CL4XYL	57S-98-02X	SD570200	LADV1S*2	NGI1	19-MAY-98	04-JUN-98	.0667	.0605	UGG	90.7
ABB-ES	LH16	PESTICIDES/SOIL/GCEC	CL4XYL	57S-98-03X	SD570302	LADV1S*3	NGI1	19-MAY-98	04-JUN-98	.0667	.0532	UGG	79.8
ABB-ES	LH16	PESTICIDES/SOIL/GCEC	CL4XYL	57S-98-04X	SD570401	LADV1S*4	NGI1	19-MAY-98	04-JUN-98	.0667	.0611	UGG	91.6
ABB-ES	LH16	PESTICIDES/SOIL/GCEC	CL4XYL	57S-98-05X	SD570503	LADV1S*5	NGI1	19-MAY-98	04-JUN-98	.0667	.0678	UGG	101.6
ABB-ES	LH16	PESTICIDES/SOIL/GCEC	CL4XYL	57S-98-06X	SD570601	LADV1S*6	NGI1	19-MAY-98	04-JUN-98	.0667	.0466	UGG	69.9
ABB-ES	LH16	PESTICIDES/SOIL/GCEC	CL4XYL	57S-98-07X	SD570700	LADV1S*7	NGI1	19-MAY-98	04-JUN-98	.0667	.0609	UGG	91.3
ABB-ES	LH16	PESTICIDES/SOIL/GCEC	CL4XYL	57S-98-07X	SD570701	LADV1S*8	NGI1	19-MAY-98	04-JUN-98	.0667	.0604	UGG	90.6
ABB-ES	LH16	PESTICIDES/SOIL/GCEC	CL4XYL	57S-98-08X	SD570800	LADV1S*9	NGI1	19-MAY-98	04-JUN-98	.0662	.0586	UGG	88.5
ABB-ES	LH16	PESTICIDES/SOIL/GCEC	CL4XYL				NGI1		04-JUN-98	.0662	.0621	UGG	93.8
ABB-ES	LH16	PESTICIDES/SOIL/GCEC	CL4XYL						14-JUN-98	.0667	.0621	UGG	93.1
ABB-ES	LH16	PESTICIDES/SOIL/GCEC	CL4XYL				NGK1		14-JUN-98	.0662	.0591	UGG	89.3
ABB-ES	LH16	PESTICIDES/SOIL/GCEC	CL4XYL				NGI1		04-JUN-98	.0667	.0536	UGG	80.4
ABB-ES	LH16	PESTICIDES/SOIL/GCEC	CL4XYL				NGI1		03-JUN-98	.0662	.0479	UGG	72.4
ABB-ES	LH16	PESTICIDES/SOIL/GCEC	CL4XYL				NGI1		03-JUN-98	.0667	.0412	UGG	61.8

			avg										87.7
			minimum										61.8
			maximum										103.7
ABB-ES	UH02	PESTICIDES/WATER/GCEC	CL10BP	57N-98-05X	WX570500	ADV1W*11	SDVG	21-MAY-98	03-JUN-98	1.25	.687	UGL	55.0
ABB-ES	UH02	PESTICIDES/WATER/GCEC	CL10BP	57N-98-06X	WX570600	ADV1W*13	SDVG	21-MAY-98	23-JUL-98	1.25	.639	UGL	51.1
ABB-ES	UH02	PESTICIDES/WATER/GCEC	CL10BP	57N-98-07X	WX570700	ADV1W*15	SDVG	21-MAY-98	03-JUN-98	1.25	.704	UGL	56.3
ABB-ES	UH02	PESTICIDES/WATER/GCEC	CL10BP	57N-98-08X	WX570800	ADV1W*17	SDVG	21-MAY-98	03-JUN-98	1.25	.76	UGL	60.8
ABB-ES	UH02	PESTICIDES/WATER/GCEC	CL10BP	57P-98-02X	WX5702XX	ADV1W*20	SDVG	26-MAY-98	24-JUN-98	1.25	.646	UGL	51.7
ABB-ES	UH02	PESTICIDES/WATER/GCEC	CL10BP	57P-98-03X	WX5703XX	ADV1W*22	SDVG	26-MAY-98	24-JUN-98	1.25	.931	UGL	74.5
ABB-ES	UH02	PESTICIDES/WATER/GCEC	CL10BP	57P-98-04X	WX5704XX	ADV1W*24	SDVG	26-MAY-98	24-JUN-98	1.25	.93	UGL	74.4
ABB-ES	UH02	PESTICIDES/WATER/GCEC	CL10BP	57N-96-11X	WX5711XX	ADV1W*26	SDVG	27-MAY-98	24-JUN-98	1.25	.891	UGL	71.3
ABB-ES	UH02	PESTICIDES/WATER/GCEC	CL10BP	57N-96-11X	WX5711XX	ADV1W*26	SDVG	27-MAY-98	24-JUN-98	1.25	.563	UGL	45.0
ABB-ES	UH02	PESTICIDES/WATER/GCEC	CL10BP	57N-96-11X	WX5711XX	ADV1W*26	SDVG	27-MAY-98	24-JUN-98	1.25	.558	UGL	44.6
ABB-ES	UH02	PESTICIDES/WATER/GCEC	CL10BP	57N-96-11X	MD5711XX	ADV1W*28	SDVG	27-MAY-98	24-JUN-98	1.25	.921	UGL	73.7
ABB-ES	UH02	PESTICIDES/WATER/GCEC	CL10BP	SBK-98-001	SBK98001	LADV1W*2	SDUG	20-MAY-98	02-JUN-98	1.25	1.04	UGL	83.2
ABB-ES	UH02	PESTICIDES/WATER/GCEC	CL10BP	57N-98-01X	WX570100	LADV1W*3	SDVG	21-MAY-98	02-JUN-98	1.25	1.19	UGL	95.2
ABB-ES	UH02	PESTICIDES/WATER/GCEC	CL10BP	57N-98-02X	WX570200	LADV1W*5	SDVG	21-MAY-98	02-JUN-98	1.25	.918	UGL	73.4

TABLE D-7

PESTICIDE/PCB SURROGATE RESULTS
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	IRDMIS Method Code	Method Description	IRDMIS Site ID	Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value Unit	Percent Recovery
ABB-ES	UH02	PESTICIDES/WATER/GCEC	57M-98-03X	WX570300	LADV1W*7	SDVG	21-MAY-98	02-JUN-98	1.25	.665 UGL	53.2
ABB-ES	UH02	PESTICIDES/WATER/GCEC	57M-98-04X	WX570400	LADV1W*9	SDVG	21-MAY-98	02-JUN-98	1.25	.356 UGL	28.5
ABB-ES	UH02	PESTICIDES/WATER/GCEC				SDUG			1.25	1.25 UGL	100.0
ABB-ES	UH02	PESTICIDES/WATER/GCEC				SDUG	23-JUL-98	02-JUN-98	1.25	1.23 UGL	98.4
ABB-ES	UH02	PESTICIDES/WATER/GCEC				SDUG	02-JUN-98	02-JUN-98	1.25	1.15 UGL	92.0
ABB-ES	UH02	PESTICIDES/WATER/GCEC				SDUG	23-JUL-98	02-JUN-98	1.25	1.08 UGL	86.4
ABB-ES	UH02	PESTICIDES/WATER/GCEC				SDUG	24-JUN-98	02-JUN-98	1.25	.933 UGL	74.6
ABB-ES	UH02	PESTICIDES/WATER/GCEC				SDUG	02-JUN-98	02-JUN-98	1.25	.59 UGL	47.2
ABB-ES	UH02	PESTICIDES/WATER/GCEC				SDUG	02-JUN-98	02-JUN-98	1.25	.313 UGL	25.0

			avg								66.2
			minimum								25.0
			maximum								100.0
ABB-ES	UH02	PESTICIDES/WATER/GCEC	57M-98-05X	WX570500	ADV1W*11	SDVG	21-MAY-98	03-JUN-98	1.25	.902 UGL	72.2
ABB-ES	UH02	PESTICIDES/WATER/GCEC	57M-98-06X	WX570600	ADV1W*13	SDVG	21-MAY-98	03-JUN-98	1.25	.795 UGL	63.6
ABB-ES	UH02	PESTICIDES/WATER/GCEC	57M-98-07X	WX570700	ADV1W*15	SDVG	21-MAY-98	03-JUN-98	1.25	.796 UGL	63.7
ABB-ES	UH02	PESTICIDES/WATER/GCEC	57M-98-08X	WX570800	ADV1W*17	SDVG	21-MAY-98	03-JUN-98	1.25	.792 UGL	63.4
ABB-ES	UH02	PESTICIDES/WATER/GCEC	57P-98-02X	WX5702XX	ADV1W*20	SDVG	26-MAY-98	24-JUN-98	1.25	.857 UGL	68.6
ABB-ES	UH02	PESTICIDES/WATER/GCEC	57P-98-03X	WX5703XX	ADV1W*22	SDVG	26-MAY-98	24-JUN-98	1.25	.985 UGL	78.8
ABB-ES	UH02	PESTICIDES/WATER/GCEC	57P-98-04X	WX5704XX	ADV1W*24	SDVG	26-MAY-98	24-JUN-98	1.25	.992 UGL	79.4
ABB-ES	UH02	PESTICIDES/WATER/GCEC	57M-96-11X	MX5711XX	ADV1W*26	SDVG	27-MAY-98	24-JUN-98	1.25	1.03 UGL	82.4
ABB-ES	UH02	PESTICIDES/WATER/GCEC	57M-96-11X	MX5711XX	ADV1W*26	SDVG	27-MAY-98	24-JUN-98	1.25	1.02 UGL	81.6
ABB-ES	UH02	PESTICIDES/WATER/GCEC	57M-96-11X	MX5711XX	ADV1W*26	SDVG	27-MAY-98	24-JUN-98	1.25	.897 UGL	71.8
ABB-ES	UH02	PESTICIDES/WATER/GCEC	57M-96-11X	MX5711XX	ADV1W*26	SDVG	27-MAY-98	24-JUN-98	1.25	.946 UGL	75.7
ABB-ES	UH02	PESTICIDES/WATER/GCEC	57M-96-11X	MX5711XX	ADV1W*28	SDVG	27-MAY-98	24-JUN-98	1.25	1.15 UGL	92.0
ABB-ES	UH02	PESTICIDES/WATER/GCEC	SBK-98-001	SBK98001	LADV1W*2	SDUG	20-MAY-98	02-JUN-98	1.25	1.02 UGL	81.6
ABB-ES	UH02	PESTICIDES/WATER/GCEC	57M-98-01X	WX570100	LADV1W*3	SDVG	21-MAY-98	02-JUN-98	1.25	.874 UGL	69.9
ABB-ES	UH02	PESTICIDES/WATER/GCEC	57M-98-02X	WX570200	LADV1W*5	SDVG	21-MAY-98	02-JUN-98	1.25	.682 UGL	54.6
ABB-ES	UH02	PESTICIDES/WATER/GCEC	57M-98-03X	WX570300	LADV1W*7	SDVG	21-MAY-98	02-JUN-98	1.25	.243 UGL	19.4
ABB-ES	UH02	PESTICIDES/WATER/GCEC	57M-98-04X	WX570400	LADV1W*9	SDUG	21-MAY-98	02-JUN-98	1.25	1.17 UGL	93.6
ABB-ES	UH02	PESTICIDES/WATER/GCEC				SDUG			1.25	1.1 UGL	88.0
ABB-ES	UH02	PESTICIDES/WATER/GCEC				SDUG	23-JUL-98	02-JUN-98	1.25	.988 UGL	79.0
ABB-ES	UH02	PESTICIDES/WATER/GCEC				SDUG	24-JUN-98	02-JUN-98	1.25	.972 UGL	77.8
ABB-ES	UH02	PESTICIDES/WATER/GCEC				SDUG	23-JUL-98	02-JUN-98	1.25	.934 UGL	74.7
ABB-ES	UH02	PESTICIDES/WATER/GCEC				SDUG	24-JUN-98	02-JUN-98	1.25	.885 UGL	70.8
ABB-ES	UH02	PESTICIDES/WATER/GCEC				SDVG	02-JUN-98	02-JUN-98	1.25	.452 UGL	36.2
ABB-ES	UH02	PESTICIDES/WATER/GCEC				SDVG	02-JUN-98	02-JUN-98	1.25	.148 UGL	11.8

TABLE D-7

PESTICIDE/PCB SURROGATE RESULTS
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value Unit	Percent Recovery

			avg									68.8
			minimum									11.8
			maximum									93.6

ABB-ES	PESTICIDES/WATER/GCEC	UH13	CL10BP	57N-98-05X	WX570500	ADV1W*11	TDNI	21-MAY-98	27-JUN-98	1.25	.618 UGL	49.4
ABB-ES	PESTICIDES/WATER/GCEC	UH13	CL10BP	57N-98-07X	WX570700	ADV1W*15	TDNI	21-MAY-98	27-JUN-98	1.25	.856 UGL	68.5
ABB-ES	PESTICIDES/WATER/GCEC	UH13	CL10BP	57N-98-08X	WX570800	ADV1W*17	TDNI	21-MAY-98	27-JUN-98	1.25	.9 UGL	72.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13	CL10BP	57P-98-02X	MX5702XX	ADV1W*20	TDI	26-MAY-98	27-JUN-98	1.25	.819 UGL	65.5
ABB-ES	PESTICIDES/WATER/GCEC	UH13	CL10BP	57P-98-03X	MX5703XX	ADV1W*22	TDI	26-MAY-98	27-JUN-98	1.25	.68 UGL	54.4
ABB-ES	PESTICIDES/WATER/GCEC	UH13	CL10BP	57P-98-04X	MX5704XX	ADV1W*24	TDI	26-MAY-98	27-JUN-98	1.25	.762 UGL	61.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13	CL10BP	57N-96-11X	MX5711XX	ADV1W*26	TDI	27-MAY-98	27-JUN-98	1.25	.781 UGL	62.5
ABB-ES	PESTICIDES/WATER/GCEC	UH13	CL10BP	57N-96-11X	MX5711XX	ADV1W*26	TDI	27-MAY-98	27-JUN-98	1.25	.623 UGL	49.8
ABB-ES	PESTICIDES/WATER/GCEC	UH13	CL10BP	57N-96-11X	MD5711XX	ADV1W*28	TDI	27-MAY-98	28-JUN-98	1.25	.696 UGL	55.7
ABB-ES	PESTICIDES/WATER/GCEC	UH13	CL10BP	SBK-98-001	SBK98001	LADV1W*2	TDI	20-MAY-98	28-MAY-98	1.25	.995 UGL	79.6
ABB-ES	PESTICIDES/WATER/GCEC	UH13	CL10BP	57N-98-01X	WX570100	LADV1W*3	TDNI	21-MAY-98	27-JUN-98	1.25	.692 UGL	55.4
ABB-ES	PESTICIDES/WATER/GCEC	UH13	CL10BP	57N-98-02X	WX570200	LADV1W*5	TDNI	21-MAY-98	27-JUN-98	1.25	.251 UGL	20.1
ABB-ES	PESTICIDES/WATER/GCEC	UH13	CL10BP	57N-98-03X	WX570300	LADV1W*7	TDNI	21-MAY-98	27-JUN-98	1.25	.659 UGL	52.7
ABB-ES	PESTICIDES/WATER/GCEC	UH13	CL10BP	57N-98-04X	WX570400	LADV1W*9	TDNI	21-MAY-98	27-JUN-98	1.25	.763 UGL	61.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13	CL10BP			TDNI		27-JUN-98		1.25	1.34 UGL	107.2
ABB-ES	PESTICIDES/WATER/GCEC	UH13	CL10BP			TDNI		27-JUN-98		1.25	1.23 UGL	98.4
ABB-ES	PESTICIDES/WATER/GCEC	UH13	CL10BP			TDI		27-JUN-98		1.25	.832 UGL	66.6
ABB-ES	PESTICIDES/WATER/GCEC	UH13	CL10BP			TDI		27-JUN-98		1.25	.704 UGL	56.3

			avg									61.4
			minimum									20.1
			maximum									107.2

ABB-ES	PESTICIDES/WATER/GCEC	UH13	CL4XYL	57N-98-05X	WX570500	ADV1W*11	TDNI	21-MAY-98	27-JUN-98	1.25	.484 UGL	38.7
ABB-ES	PESTICIDES/WATER/GCEC	UH13	CL4XYL	57N-98-07X	WX570700	ADV1W*15	TDNI	21-MAY-98	27-JUN-98	1.25	.831 UGL	66.5
ABB-ES	PESTICIDES/WATER/GCEC	UH13	CL4XYL	57N-98-08X	WX570800	ADV1W*17	TDNI	21-MAY-98	27-JUN-98	1.25	.795 UGL	63.6
ABB-ES	PESTICIDES/WATER/GCEC	UH13	CL4XYL	57P-98-02X	MX5702XX	ADV1W*20	TDI	26-MAY-98	27-JUN-98	1.25	.765 UGL	61.2
ABB-ES	PESTICIDES/WATER/GCEC	UH13	CL4XYL	57P-98-03X	MX5703XX	ADV1W*22	TDI	26-MAY-98	27-JUN-98	1.25	.718 UGL	57.4
ABB-ES	PESTICIDES/WATER/GCEC	UH13	CL4XYL	57P-98-04X	MX5704XX	ADV1W*24	TDI	26-MAY-98	27-JUN-98	1.25	.789 UGL	63.1
ABB-ES	PESTICIDES/WATER/GCEC	UH13	CL4XYL	57N-96-11X	MX5711XX	ADV1W*26	TDI	27-MAY-98	27-JUN-98	1.25	.875 UGL	70.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13	CL4XYL	57N-96-11X	MX5711XX	ADV1W*26	TDI	27-MAY-98	27-JUN-98	1.25	.874 UGL	69.9
ABB-ES	PESTICIDES/WATER/GCEC	UH13	CL4XYL	57N-96-11X	MX5711XX	ADV1W*26	TDI	27-MAY-98	27-JUN-98	1.25	.773 UGL	61.8

TABLE D-7
PESTICIDE/PCB SURROGATE RESULTS
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample		Lot	Sample Date	Analysis Date	Spike Value	Value Unit	Percent Recovery
					Number	Lab Number						
ABB-ES	PESTICIDES/WATER/GCEC	UH13	CL4XYL	57M-96-11X	MD5711XX	ADV1W*28	TD01	27-MAY-98	28-JUN-98	1.25	.888 UGL	71.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13	CL4XYL	SBK-98-001	SBK98001	LADV1W*2	TD01	20-MAY-98	28-MAY-98	1.25	1.05 UGL	84.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13	CL4XYL	57M-98-01X	WX570100	LADV1W*3	TDN1	21-MAY-98	27-JUN-98	1.25	.723 UGL	57.8
ABB-ES	PESTICIDES/WATER/GCEC	UH13	CL4XYL	57M-98-02X	WX570200	LADV1W*5	TDN1	21-MAY-98	27-JUN-98	1.25	.187 UGL	15.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13	CL4XYL	57M-98-03X	WX570300	LADV1W*7	TDN1	21-MAY-98	27-JUN-98	1.25	.612 UGL	49.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13	CL4XYL	57M-98-04X	WX570400	LADV1W*9	TDN1	21-MAY-98	27-JUN-98	1.25	.783 UGL	62.6
ABB-ES	PESTICIDES/WATER/GCEC	UH13	CL4XYL				TD01		27-JUN-98	1.25	1 UGL	80.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13	CL4XYL				TD01		27-JUN-98	1.25	.927 UGL	74.2
ABB-ES	PESTICIDES/WATER/GCEC	UH13	CL4XYL				TDN1		27-JUN-98	1.25	.849 UGL	67.9
ABB-ES	PESTICIDES/WATER/GCEC	UH13	CL4XYL				TDN1		27-JUN-98	1.25	.838 UGL	67.0

			avg									62.2
			minimum									15.0
			maximum									84.0

TABLE 8
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS
FT. DEVENS AOC 57

Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Field			Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value <	Original		Percent Recovery	RPD
				IRDMIS Site ID	Sample Number	Sample Number							Sample Value	Unit		
ABB-ES		9060	TOC	57D-98-07X	DX570700	ADV1S*20	ZEMJ	21-MAY-98	12-JUN-98	16900	7400	UGG	129.5	45.5		
		9060	TOC	57D-98-07X	DX570700	ADV1S*20	ZEMJ	21-MAY-98	12-JUN-98	10200	7100	UGG	205.9	45.5		

		avg minimum maximum														
ABB-ES		9071	TPHC	57S-98-14X	SX571401	ADV1S*12	ZERU	20-MAY-98	11-JUN-98	1640	1140	UGG	101.0	4.7		
		9071	TPHC	57S-98-14X	SX571401	ADV1S*12	ZERU	20-MAY-98	11-JUN-98	1640	1090	UGG	96.4	4.7		
		9071	TPHC	57D-98-04X	DX570400	ADV1S*17	ZEQU	21-MAY-98	12-JUN-98	4830	1040	UGG	92.4	0		
		9071	TPHC	57D-98-04X	DX570400	ADV1S*17	ZEQU	21-MAY-98	12-JUN-98	4830	1040	UGG	92.4	0		
		9071	TPHC	57S-98-07X	SD570700	ADV1S*27	ZESU	19-MAY-98	16-JUN-98	5680	1100	UGG	97.5	7.2		
		9071	TPHC	57S-98-07X	SD570700	ADV1S*27	ZESU	19-MAY-98	16-JUN-98	5680	1020	UGG	90.7	7.2		

avg minimum maximum																
ABB-ES	METALS/SOIL/ICP-MS	J301	AS	57S-98-14X	SX571401	ADV1S*12	PLYA	20-MAY-98	30-JUN-98	7.22	5.8	UGG	115.8	124.4		
		J301	AS	57S-98-14X	SX571401	ADV1S*12	PLYA	20-MAY-98	30-JUN-98	7.08	1.3	UGG	27.0	124.4		
		J301	AS	57S-98-01X	SX570101	LADV1S*1	PLYA	19-MAY-98	30-JUN-98	7.33	3.06	UGG	62.4	6.0		
		J301	AS	57S-98-01X	SX570101	LADV1S*1	PLYA	19-MAY-98	30-JUN-98	7.4	2.91	UGG	58.8	6.0		

avg minimum maximum																
ABB-ES	METALS/SOIL/ICP	JS16	BA	57S-98-14X	SX571401	ADV1S*12	UBZJ	20-MAY-98	03-JUN-98	83.1	56.9	UGG	99.5	6		
		JS16	BA	57S-98-14X	SX571401	ADV1S*12	UBZJ	20-MAY-98	03-JUN-98	82.3	56	UGG	98.9	6		
		JS16	BA	57S-98-07X	SD570700	ADV1S*27	UBZJ	19-MAY-98	03-JUN-98	289	58.6	UGG	102.4	2.6		
		JS16	BA	57S-98-07X	SD570700	ADV1S*27	UBZJ	19-MAY-98	03-JUN-98	289	57.1	UGG	99.8	2.6		

avg minimum maximum																
100.2 98.9 102.4																

TABLE 8
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS
FT. DEVENS AOC 57

Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value <	Original Sample Value Unit	Percent Recovery	RPD
ABB-ES	METALS/SOIL/ICP	JS16	CU	57S-98-14X	SX571401	ADV1S*12	UBZJ	20-MAY-98	03-JUN-98	68.6	47.2	3.46 UGG	100.0	1.3
ABB-ES	METALS/SOIL/ICP	JS16	CU	57S-98-14X	SX571401	ADV1S*12	UBZJ	20-MAY-98	03-JUN-98	69.2	47	3.46 UGG	98.7	1.3
ABB-ES	METALS/SOIL/ICP	JS16	CU	57S-98-07X	SD570700	ADV1S*27	UBZJ	19-MAY-98	03-JUN-98	241	47.4	28.3 UGG	99.3	.0
ABB-ES	METALS/SOIL/ICP	JS16	CU	57S-98-07X	SD570700	ADV1S*27	UBZJ	19-MAY-98	03-JUN-98	241	47.4	28.3 UGG	99.3	.0

			avg										99.3	
			minimum										98.7	
			maximum										100.0	
ABB-ES	METALS/SOIL/ICP	JS16	MN	57S-98-14X	SX571401	ADV1S*12	UBZJ	20-MAY-98	03-JUN-98	68.6	57.3	69.5 UGG	121.4	3.5
ABB-ES	METALS/SOIL/ICP	JS16	MN	57S-98-14X	SX571401	ADV1S*12	UBZJ	20-MAY-98	03-JUN-98	69.2	55.8	69.5 UGG	117.2	3.5
ABB-ES	METALS/SOIL/ICP	JS16	MN	57S-98-07X	SD570700	ADV1S*27	UBZJ	19-MAY-98	03-JUN-98	241	46.9	66.3 UGG	98.3	1.9
ABB-ES	METALS/SOIL/ICP	JS16	MN	57S-98-07X	SD570700	ADV1S*27	UBZJ	19-MAY-98	03-JUN-98	241	46	66.3 UGG	96.4	1.9

			avg										108.3	
			minimum										96.4	
			maximum										121.4	
ABB-ES	METALS/SOIL/ICP	JS16	PB	57S-98-14X	SX571401	ADV1S*12	UBZJ	20-MAY-98	03-JUN-98	206	146 <	10.5 UGG	103.0	1.7
ABB-ES	METALS/SOIL/ICP	JS16	PB	57S-98-14X	SX571401	ADV1S*12	UBZJ	20-MAY-98	03-JUN-98	208	145 <	10.5 UGG	101.3	1.7
ABB-ES	METALS/SOIL/ICP	JS16	PB	57S-98-07X	SD570700	ADV1S*27	UBZJ	19-MAY-98	03-JUN-98	722	141	297 UGG	98.6	.7
ABB-ES	METALS/SOIL/ICP	JS16	PB	57S-98-07X	SD570700	ADV1S*27	UBZJ	19-MAY-98	03-JUN-98	722	140	297 UGG	97.9	.7

			avg										100.2	
			minimum										97.9	
			maximum										103.0	
ABB-ES	METALS/SOIL/ICP	JS16	SB	57S-98-14X	SX571401	ADV1S*12	UBZJ	20-MAY-98	03-JUN-98	206	48.3 <	7.14 UGG	34.1	4.1
ABB-ES	METALS/SOIL/ICP	JS16	SB	57S-98-14X	SX571401	ADV1S*12	UBZJ	20-MAY-98	03-JUN-98	208	46.8 <	7.14 UGG	32.7	4.1
ABB-ES	METALS/SOIL/ICP	JS16	SB	57S-98-07X	SD570700	ADV1S*27	UBZJ	19-MAY-98	03-JUN-98	722	79.8 <	7.14 UGG	55.8	4.1
ABB-ES	METALS/SOIL/ICP	JS16	SB	57S-98-07X	SD570700	ADV1S*27	UBZJ	19-MAY-98	03-JUN-98	722	76.6 <	7.14 UGG	53.6	4.1

			avg										44.0	
			minimum										32.7	
			maximum										55.8	
ABB-ES	METALS/SOIL/ICP	JS16	ZN	57S-98-14X	SX571401	ADV1S*12	UBZJ	20-MAY-98	03-JUN-98	138	91.1	27.5 UGG	96.0	.3
ABB-ES	METALS/SOIL/ICP	JS16	ZN	57S-98-14X	SX571401	ADV1S*12	UBZJ	20-MAY-98	03-JUN-98	137	90.7	27.5 UGG	96.2	.3
ABB-ES	METALS/SOIL/ICP	JS16	ZN	57S-98-07X	SD570700	ADV1S*27	UBZJ	19-MAY-98	03-JUN-98	481	93.5	77.4 UGG	98.2	2.5

TABLE 8
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS
FT. DEVENS AOC 57

[illegible]

TABLE 8
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS
FT. DEVENS AOC 57

[illegible]

TABLE 8
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS
FT. DEVENS AOC 57

Contractor	IRDMIS Method Code	Method Description	IRDMIS			IRDMIS Field			Lab Number	Sample Date	Analysis Date	Spike Value	Value <	Original Sample		Percent Recovery	RPD
			Test Name	IRDMIS Site ID	Sample Number	Value	Unit										
ABB-ES ABB-ES	LH16	PESTICIDES/SOIL/GCEC	PCB016	57S-98-14X	SX571401	ADV1S*12	NG11	20-MAY-98	04-JUN-98		.385	.263	<	.0666	UGG	99.3	5.1
	LH16	PESTICIDES/SOIL/GCEC	PCB016	57S-98-14X	SX571401	ADV1S*12	NG11	20-MAY-98	04-JUN-98		.385	.25	<	.0666	UGG	94.4	5.1

			avg													96.8	
			minimum													94.4	
			maximum													99.3	
ABB-ES ABB-ES	LH16	PESTICIDES/SOIL/GCEC	PCB260	57S-98-14X	SX571401	ADV1S*12	NG11	20-MAY-98	04-JUN-98		.385	.213	<	.474	UGG	80.4	61.3
	LH16	PESTICIDES/SOIL/GCEC	PCB260	57S-98-14X	SX571401	ADV1S*12	NG11	20-MAY-98	04-JUN-98		.385	.113	<	.474	UGG	42.7	61.3

			avg													61.5	
			minimum													42.7	
			maximum													80.4	
ABB-ES ABB-ES ABB-ES ABB-ES	S303	METALS/WATER/ICP-MS	AS	57M-96-11X	MX5711XX	ADV1W*26	OKPB	27-MAY-98	12-AUG-98		22.2	32.8	<	84.4	UGL	147.7	70.0
	S303	METALS/WATER/ICP-MS	AS	57M-96-11X	MX5711XX	ADV1W*26	OKPB	27-MAY-98	12-AUG-98		22.2	15.8	<	84.4	UGL	71.2	70.0
	S303	METALS/WATER/ICP-MS	AS	57M-96-11X	MX5711XX	ADV1W*27	OKNB	27-MAY-98	30-JUN-98		22.2	22.3	<	133	UGL	100.5	7.4
	S303	METALS/WATER/ICP-MS	AS	57M-96-11X	MX5711XX	ADV1W*27	OKNB	27-MAY-98	30-JUN-98		22.2	20.7	<	133	UGL	93.2	7.4

			avg													103.2	
			minimum													71.2	
			maximum													147.7	
ABB-ES ABB-ES ABB-ES ABB-ES	S303	METALS/WATER/ICP-MS	PB	57M-96-11X	MX5711XX	DV1W*126	OKRB	27-MAY-98	29-OCT-98		22.2	21.1	<	1	UGL	95.0	6.4
	S303	METALS/WATER/ICP-MS	PB	57M-96-11X	MX5711XX	DV1W*126	OKRB	27-MAY-98	29-OCT-98		22.2	19.8	<	1	UGL	89.2	6.4
	S303	METALS/WATER/ICP-MS	PB	57M-96-11X	MX5711XX	DV1W*127	OKSB	27-MAY-98	12-NOV-98		22.2	22.2	<	1	UGL	100.0	2.3
	S303	METALS/WATER/ICP-MS	PB	57M-96-11X	MX5711XX	DV1W*127	OKSB	27-MAY-98	12-NOV-98		22.2	21.7	<	1	UGL	97.7	2.3

			avg													95.5	
			minimum													89.2	
			maximum													100.0	
ABB-ES ABB-ES ABB-ES ABB-ES	S303	METALS/WATER/ICP-MS	SB	57M-96-11X	MX5711XX	DV1W*126	OKRB	27-MAY-98	29-OCT-98		22.2	22.5	<	1	UGL	101.4	5.0
	S303	METALS/WATER/ICP-MS	SB	57M-96-11X	MX5711XX	DV1W*126	OKRB	27-MAY-98	29-OCT-98		22.2	21.4	<	1	UGL	96.4	5.0
	S303	METALS/WATER/ICP-MS	SB	57M-96-11X	MX5711XX	DV1W*127	OKSB	27-MAY-98	12-NOV-98		22.2	20.8	<	1	UGL	93.7	.5
	S303	METALS/WATER/ICP-MS	SB	57M-96-11X	MX5711XX	DV1W*127	OKSB	27-MAY-98	12-NOV-98		22.2	20.7	<	1	UGL	93.2	.5

			avg													96.2	

TABLE 8
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS
FT. DEVENS AOC 57

[illegible]

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[illegible]

TABLE 8
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS
FT. DEVENS AOC 57

Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value <	Original Sample Value	Unit	Percent Recovery	RPD
ABB-ES	PESTICIDES/WATER/GCEC	UH02	PCB016	57M-96-11X	MX5711XX	ADV1W*26	SDWG	27-MAY-98	24-JUN-98	3.75	3.73 <	.16	UGL	99.5	24.0
ABB-ES	PESTICIDES/WATER/GCEC	UH02	PCB016	57M-96-11X	MX5711XX	ADV1W*26	SDWG	27-MAY-98	24-JUN-98	3.75	2.93 <	.16	UGL	78.1	24.0

			avg											88.8	
			minimum											78.1	
			maximum											99.5	
ABB-ES	PESTICIDES/WATER/GCEC	UH02	PCB260	57M-96-11X	MX5711XX	ADV1W*26	SDWG	27-MAY-98	24-JUN-98	3.75	3.83 <	.19	UGL	102.1	7.3
ABB-ES	PESTICIDES/WATER/GCEC	UH02	PCB260	57M-96-11X	MX5711XX	ADV1W*26	SDWG	27-MAY-98	24-JUN-98	3.75	3.56 <	.19	UGL	94.9	7.3

			avg											98.5	
			minimum											94.9	
			maximum											102.1	
ABB-ES	PESTICIDES/WATER/GCEC	UH13	AENSLF	57M-96-11X	MX5711XX	ADV1W*26	TD01	27-MAY-98	27-JUN-98	.5	.368 <	.023	UGL	73.6	17.1
ABB-ES	PESTICIDES/WATER/GCEC	UH13	AENSLF	57M-96-11X	MX5711XX	ADV1W*26	TD01	27-MAY-98	27-JUN-98	.5	.31 <	.023	UGL	62.0	17.1

			avg											67.8	
			minimum											62.0	
			maximum											73.6	
ABB-ES	PESTICIDES/WATER/GCEC	UH13	ALDRN	57M-96-11X	MX5711XX	ADV1W*26	TD01	27-MAY-98	27-JUN-98	.5	.299 <	.0918	UGL	59.8	24.4
ABB-ES	PESTICIDES/WATER/GCEC	UH13	ALDRN	57M-96-11X	MX5711XX	ADV1W*26	TD01	27-MAY-98	27-JUN-98	.5	.234 <	.0918	UGL	46.8	24.4

			avg											53.3	
			minimum											46.8	
			maximum											59.8	
ABB-ES	PESTICIDES/WATER/GCEC	UH13	BENSLF	57M-96-11X	MX5711XX	ADV1W*26	TD01	27-MAY-98	27-JUN-98	.5	.339 <	.023	UGL	67.8	30.6
ABB-ES	PESTICIDES/WATER/GCEC	UH13	BENSLF	57M-96-11X	MX5711XX	ADV1W*26	TD01	27-MAY-98	27-JUN-98	.5	.249 <	.023	UGL	49.8	30.6

			avg											58.8	
			minimum											49.8	
			maximum											67.8	
ABB-ES	PESTICIDES/WATER/GCEC	UH13	DLDRN	57M-96-11X	MX5711XX	ADV1W*26	TD01	27-MAY-98	27-JUN-98	.5	.329 <	.024	UGL	65.8	26.5
ABB-ES	PESTICIDES/WATER/GCEC	UH13	DLDRN	57M-96-11X	MX5711XX	ADV1W*26	TD01	27-MAY-98	27-JUN-98	.5	.252 <	.024	UGL	50.4	26.5

TABLE 8
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS
ET-DEVENS AOC 57

Contractor	Method	Description	IRDMIS				Lab	Sample Date	Analysis Date	Spike Value	Value <	Original Sample Value	Unit	Percent Recovery	RPD	
			IRDMIS Code	Test Name	IRDMIS Site ID	Field Sample Number										
ABB-ES	UH13	PESTICIDES/WATER/GCEC	UH13	*****	*****	57M-96-11X	MX5711XX	TD01	27-MAY-98	27-JUN-98	.5	<.371	.0238	UGL	58.1	28.0
				avg	minimum											
				maximum	65.8											
ABB-ES	UH13	PESTICIDES/WATER/GCEC	UH13	ENDRN	*****	57M-96-11X	MX5711XX	TD01	27-MAY-98	27-JUN-98	.5	<.28	.0238	UGL	74.2	28.0
				ENDRN	*****											
				avg	minimum											
ABB-ES	UH13	PESTICIDES/WATER/GCEC	UH13	*****	*****	57M-96-11X	MX5711XX	TD01	27-MAY-98	27-JUN-98	.5	<.327	.0423	UGL	56.0	22.8
				HPCL	*****											
				HPCL	*****											
ABB-ES	UH13	PESTICIDES/WATER/GCEC	UH13	avg	*****	57M-96-11X	MX5711XX	TD01	27-MAY-98	27-JUN-98	1	<.66	.0562	UGL	58.7	23.4
				minimum	*****											
				maximum	65.4											
ABB-ES	UH13	PESTICIDES/WATER/GCEC	UH13	ISODR	*****	57M-96-11X	MX5711XX	TD01	27-MAY-98	27-JUN-98	1	<.522	.0562	UGL	66.0	23.4
				ISODR	*****											
				avg	*****											
ABB-ES	UH13	PESTICIDES/WATER/GCEC	UH13	*****	*****	57M-96-11X	MX5711XX	TD01	27-MAY-98	27-JUN-98	.5	<.294	.0507	UGL	59.1	19.0
				minimum	*****											
				maximum	66.0											
ABB-ES	UH13	PESTICIDES/WATER/GCEC	UH13	LIN	*****	57M-96-11X	MX5711XX	TD01	27-MAY-98	27-JUN-98	.5	<.243	.0507	UGL	52.2	19.0
				LIN	*****											
				avg	*****											
ABB-ES	UH13	PESTICIDES/WATER/GCEC	UH13	*****	*****	57M-96-11X	MX5711XX	TD01	27-MAY-98	27-JUN-98	1	<.844	.057	UGL	53.7	43.9
				minimum	*****											
				maximum	58.8											
ABB-ES	UH13	PESTICIDES/WATER/GCEC	UH13	MEXCLR	*****	57M-96-11X	MX5711XX	TD01	27-MAY-98	27-JUN-98	1	<.54	.057	UGL	48.6	43.9
				MEXCLR	*****											
				avg	*****											
ABB-ES	UH13	PESTICIDES/WATER/GCEC	UH13	*****	*****	57M-96-11X	MX5711XX	TD01	27-MAY-98	27-JUN-98	1	<.692	.057	UGL	54.0	43.9
				minimum	*****											
				maximum	84.4											

TABLE 8
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS
FT. DEVENS AOC 57

Contractor	Method	Description	IRDMIS			Lab	Lot	Sample Date	Analysis Date	Spike Value	Value <	Original Sample Value	Unit	Percent Recovery	RPD
			IRDMIS Code	Test Name	IRDMIS Site ID	Field Sample Number									
ABB-ES	UH13	PESTICIDES/WATER/GCEC	UH13	PPDDT	57N-96-11X	MX5711XX	ADV1W*26	TD01	27-MAY-98	27-JUN-98	.5	.347	<	69.4	41.0
				PPDDT	57N-96-11X	MX5711XX	ADV1W*26	TD01	27-MAY-98	27-JUN-98	.5	.229	<	45.8	41.0
				***** avg minimum maximum										57.6 45.8 69.4	
ABB-ES	UM18	ORGANICS/WATER/GCMS	UM18	124TCB	57N-96-11X	MX5711XX	ADV1W*26	WD10	27-MAY-98	16-JUN-98	50	32	<	64.0	13.3
				124TCB	57N-96-11X	MX5711XX	ADV1W*26	WD10	27-MAY-98	16-JUN-98	50	28	<	56.0	13.3
				***** avg minimum maximum										60.0 56.0 64.0	
ABB-ES	UM18	ORGANICS/WATER/GCMS	UM18	140CLB	57N-96-11X	MX5711XX	ADV1W*26	WD10	27-MAY-98	16-JUN-98	50	28		56.0	15.4
				140CLB	57N-96-11X	MX5711XX	ADV1W*26	WD10	27-MAY-98	16-JUN-98	50	24		48.0	15.4
				***** avg minimum maximum										52.0 48.0 56.0	
ABB-ES	UM18	ORGANICS/WATER/GCMS	UM18	24DNT	57N-96-11X	MX5711XX	ADV1W*26	WD10	27-MAY-98	16-JUN-98	50	37	<	74.0	8.5
				24DNT	57N-96-11X	MX5711XX	ADV1W*26	WD10	27-MAY-98	16-JUN-98	50	34	<	68.0	8.5
				***** avg minimum maximum										71.0 68.0 74.0	
ABB-ES	UM18	ORGANICS/WATER/GCMS	UM18	2CLP	57N-96-11X	MX5711XX	ADV1W*26	WD10	27-MAY-98	16-JUN-98	100	1.4	<	1.4	.0
				2CLP	57N-96-11X	MX5711XX	ADV1W*26	WD10	27-MAY-98	16-JUN-98	100	.99	<	1.4	.0
				***** avg minimum maximum										1.4 1.4 1.4	
ABB-ES	UM18	ORGANICS/WATER/GCMS	UM18	4CL3C	57N-96-11X	MX5711XX	ADV1W*26	WD10	27-MAY-98	16-JUN-98	100	4	<	4.0	.0
				4CL3C	57N-96-11X	MX5711XX	ADV1W*26	WD10	27-MAY-98	16-JUN-98	100	.99	<	4.0	.0
				***** avg minimum maximum										1.4 1.4 1.4	

TABLE 8
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS
FT. DEVENS AOC 57

Contractor	Method	Description	IRDMIS			Lab	Lot	Sample	Analysis	Spike	Value <	Original	Percent	RPD
			IRDMIS	Test	IRDMIS							Sample		
	Code		Field	Name	Site ID	Number	Number	Date	Date	Value		Value	Recovery	
ABB-ES	UM18	ORGANICS/WATER/GCMS	57M-96-11X	PYR	57M-96-11X	MX5711XX	ADV1W*26	WD10	27-MAY-98	50	39 <	2.8 UGL	78.0	5.3
ABB-ES	UM18	ORGANICS/WATER/GCMS	57M-96-11X	PYR	57M-96-11X	MX5711XX	ADV1W*26	WD10	27-MAY-98	50	37 <	2.8 UGL	74.0	5.3

				avg									76.0	
				minimum									74.0	
				maximum									78.0	
ABB-ES	UM20	VOLATILES/WATER/GCMS	57M-96-11X	11DCE	57M-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	50	45 <	.5 UGL	90.0	2.2
ABB-ES	UM20	VOLATILES/WATER/GCMS	57M-96-11X	11DCE	57M-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	50	44 <	.5 UGL	88.0	2.2

				avg									89.0	
				minimum									88.0	
				maximum									90.0	
ABB-ES	UM20	VOLATILES/WATER/GCMS	57M-96-11X	C6H6	57M-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	50	49 <	.5 UGL	98.0	4.2
ABB-ES	UM20	VOLATILES/WATER/GCMS	57M-96-11X	C6H6	57M-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	50	47 <	.5 UGL	94.0	4.2

				avg									96.0	
				minimum									94.0	
				maximum									98.0	
ABB-ES	UM20	VOLATILES/WATER/GCMS	57M-96-11X	CLC6H5	57M-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	50	50 <	.5 UGL	100.0	2.0
ABB-ES	UM20	VOLATILES/WATER/GCMS	57M-96-11X	CLC6H5	57M-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	50	49 <	.5 UGL	98.0	2.0

				avg									99.0	
				minimum									98.0	
				maximum									100.0	
ABB-ES	UM20	VOLATILES/WATER/GCMS	57M-96-11X	MEC6H5	57M-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	50	47 <	.5 UGL	94.0	.0
ABB-ES	UM20	VOLATILES/WATER/GCMS	57M-96-11X	MEC6H5	57M-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	50	47 <	.5 UGL	94.0	.0

				avg									94.0	
				minimum									94.0	
				maximum									94.0	
ABB-ES	UM20	VOLATILES/WATER/GCMS	57M-96-11X	TRCLE	57M-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	50	51	3.7 UGL	102.0	6.1
ABB-ES	UM20	VOLATILES/WATER/GCMS	57M-96-11X	TRCLE	57M-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	50	48	3.7 UGL	96.0	6.1

TABLE 8
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS
FT. DEVENS AOC 57

Contractor Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Spike Value	Value <	Original Sample Value Unit	Percent Recovery	RPD

		avg										99.0	
		minimum										96.0	
		maximum										102.0	

TABLE D-9

FIELD DUPLICATE RESULTS FILTERED SAMPLES
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS		IRDMIS		Field		Lab Number	Lot	Sample Date	Analysis Date	Value	Unit	RPD
		IRDMIS Method Code	Test Name	IRDMIS Site ID	Field Sample Number	Field Sample Number	Field Sample Number							
ABB-ES	METALS/WATER/ICP-MS	S303	AS	57M-96-11X	MD5711XX	ADV1W*29	OKNB	27-MAY-98	30-JUN-98	138	UGL	3.7		
ABB-ES	METALS/WATER/ICP-MS	S303	AS	57M-96-11X	MD5711XX	ADV1W*29	OKNB	27-MAY-98	30-JUN-98	133	UGL	3.7		
ABB-ES	METALS/WATER/ICP	SS18	BA	57M-96-11X	MD5711XX	ADV1W*27	OGHG	27-MAY-98	03-JUN-98	9.2	UGL	4.4		
ABB-ES	METALS/WATER/ICP	SS18	BA	57M-96-11X	MD5711XX	ADV1W*29	OGHG	27-MAY-98	03-JUN-98	8.8	UGL	4.4		
ABB-ES	METALS/WATER/ICP	SS18	CU	57M-96-11X	MD5711XX	ADV1W*27	OGHG	27-MAY-98	03-JUN-98	5	UGL	0		
ABB-ES	METALS/WATER/ICP	SS18	CU	57M-96-11X	MD5711XX	ADV1W*29	OGHG	27-MAY-98	03-JUN-98	5	UGL	0		
ABB-ES	METALS/WATER/ICP	SS18	MN	57M-96-11X	MD5711XX	ADV1W*27	OGHG	27-MAY-98	03-JUN-98	2660	UGL	11.1		
ABB-ES	METALS/WATER/ICP	SS18	MN	57M-96-11X	MD5711XX	ADV1W*29	OGHG	27-MAY-98	03-JUN-98	2380	UGL	11.1		
ABB-ES	METALS/WATER/ICP	SS18	PB	57M-96-11X	MD5711XX	ADV1W*27	OGHG	27-MAY-98	03-JUN-98	50	UGL	0		
ABB-ES	METALS/WATER/ICP	SS18	PB	57M-96-11X	MD5711XX	ADV1W*29	OGHG	27-MAY-98	03-JUN-98	50	UGL	0		
ABB-ES	METALS/WATER/ICP	SS18	SB	57M-96-11X	MD5711XX	ADV1W*27	OGHG	27-MAY-98	03-JUN-98	50	UGL	0		
ABB-ES	METALS/WATER/ICP	SS18	SB	57M-96-11X	MD5711XX	ADV1W*29	OGHG	27-MAY-98	03-JUN-98	50	UGL	0		
ABB-ES	METALS/WATER/ICP	SS18	SE	57M-96-11X	MD5711XX	ADV1W*27	OGHG	27-MAY-98	03-JUN-98	50	UGL	0		
ABB-ES	METALS/WATER/ICP	SS18	SE	57M-96-11X	MD5711XX	ADV1W*29	OGHG	27-MAY-98	03-JUN-98	50	UGL	0		
ABB-ES	METALS/WATER/ICP	SS18	ZN	57M-96-11X	MD5711XX	ADV1W*27	OGHG	27-MAY-98	03-JUN-98	35.8	UGL	0		
ABB-ES	METALS/WATER/ICP	SS18	ZN	57M-96-11X	MD5711XX	ADV1W*29	OGHG	27-MAY-98	03-JUN-98	35.8	UGL	0		

TABLE D-10
FIELD DUPLICATE RESULTS UNFILTERED SAMPLES
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	IRDMIS Method Code	Test Name	IRDMIS Field Sample			Lot	Sample Date	Analysis Date	Value	Unit	RPD
			IRDMIS Site ID	Number	Lab Number						
ABB-ES	1602	TSS	57M-96-11X	MX5711XX	ADV1W*26	YLNE	27-MAY-98	02-JUN-98	2120000	UGL	191.4
ABB-ES	1602	TSS	57M-96-11X	MD5711XX	ADV1W*28	YLNE	27-MAY-98	02-JUN-98	46700	UGL	191.4
ABB-ES	9071	TPHC	57S-98-07X	SX570700	LADV1S*7	ZERU	19-MAY-98	11-JUN-98	6170	UGG	108.5
ABB-ES	9071	TPHC	57S-98-07X	SD570700	ADV1S*27	ZESU	19-MAY-98	16-JUN-98	1830	UGG	108.5
ABB-ES	J301	AS	57S-98-07X	SX570700	LADV1S*7	PLVA	19-MAY-98	30-JUN-98	61.2	UGG	44.8
ABB-ES	J301	AS	57S-98-07X	SD570700	ADV1S*27	PLVA	19-MAY-98	30-JUN-98	38.8	UGG	44.8
ABB-ES	J301	SE	57S-98-07X	SX570700	LADV1S*7	PLVA	19-MAY-98	30-JUN-98	4.42	UGG	49.7
ABB-ES	J301	SE	57S-98-07X	SD570700	ADV1S*27	PLVA	19-MAY-98	30-JUN-98	2.66	UGG	49.7
ABB-ES	JS16	BA	57S-98-07X	SX570700	LADV1S*7	UBZJ	19-MAY-98	03-JUN-98	66.8	UGG	10.2
ABB-ES	JS16	BA	57S-98-07X	SD570700	ADV1S*27	UBZJ	19-MAY-98	03-JUN-98	60.3	UGG	10.2
ABB-ES	JS16	CU	57S-98-07X	SX570700	LADV1S*7	UBZJ	19-MAY-98	03-JUN-98	30.3	UGG	6.8
ABB-ES	JS16	CU	57S-98-07X	SD570700	ADV1S*27	UBZJ	19-MAY-98	03-JUN-98	28.3	UGG	6.8
ABB-ES	JS16	MN	57S-98-07X	SX570700	LADV1S*7	UBZJ	19-MAY-98	03-JUN-98	81.8	UGG	20.9
ABB-ES	JS16	MN	57S-98-07X	SD570700	ADV1S*27	UBZJ	19-MAY-98	03-JUN-98	66.3	UGG	20.9
ABB-ES	JS16	PB	57S-98-07X	SX570700	LADV1S*7	UBZJ	19-MAY-98	03-JUN-98	320	UGG	7.5
ABB-ES	JS16	PB	57S-98-07X	SD570700	ADV1S*27	UBZJ	19-MAY-98	03-JUN-98	297	UGG	7.5
ABB-ES	JS16	SB	57S-98-07X	SX570700	LADV1S*7	UBZJ	19-MAY-98	03-JUN-98	7.14	UGG	.0
ABB-ES	JS16	SB	57S-98-07X	SD570700	ADV1S*27	UBZJ	19-MAY-98	03-JUN-98	7.14	UGG	.0
ABB-ES	JS16	SE	57S-98-07X	SX570700	LADV1S*7	UBZJ	19-MAY-98	03-JUN-98	27.9	UGG	16.7
ABB-ES	JS16	SE	57S-98-07X	SD570700	ADV1S*27	UBZJ	19-MAY-98	03-JUN-98	23.6	UGG	16.7
ABB-ES	JS16	ZN	57S-98-07X	SX570700	LADV1S*7	UBZJ	19-MAY-98	03-JUN-98	84.6	UGG	8.9
ABB-ES	JS16	ZN	57S-98-07X	SD570700	ADV1S*27	UBZJ	19-MAY-98	03-JUN-98	77.4	UGG	8.9

TABLE D-10

FIELD DUPLICATE RESULTS UNFILTERED SAMPLES
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS		Test Name	IRDMIS		Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value	Unit	RPD
		IRDMIS Method Code	IRDMIS Site ID		IRDMIS Site ID	IRDMIS Sample Number								
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	57S-98-07X	ABHC	57S-98-07X	SX570700	ADV1S*27	UFLG	19-MAY-98	29-JUN-98	<	.00907	UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	57S-98-07X	ABHC	57S-98-07X	SX570700	ADV1S*27	UFLG	19-MAY-98	29-JUN-98	<	.00907	UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	57S-98-07X	ACL DAN	57S-98-07X	SX570700	ADV1S*27	UFLG	19-MAY-98	29-JUN-98	<	.00133	UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	57S-98-07X	ACL DAN	57S-98-07X	SX570700	ADV1S*27	UFLG	19-MAY-98	29-JUN-98	<	.00133	UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	57S-98-07X	AENSLF	57S-98-07X	SX570700	ADV1S*27	UFLG	19-MAY-98	29-JUN-98	<	.00602	UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	57S-98-07X	AENSLF	57S-98-07X	SX570700	ADV1S*27	UFLG	19-MAY-98	29-JUN-98	<	.00602	UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	57S-98-07X	ALDRN	57S-98-07X	SX570700	ADV1S*27	UFLG	19-MAY-98	29-JUN-98	<	.00729	UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	57S-98-07X	ALDRN	57S-98-07X	SX570700	ADV1S*27	UFLG	19-MAY-98	29-JUN-98	<	.00729	UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	57S-98-07X	BBHC	57S-98-07X	SX570700	ADV1S*27	UFLG	19-MAY-98	29-JUN-98	<	.00257	UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	57S-98-07X	BBHC	57S-98-07X	SX570700	ADV1S*27	UFLG	19-MAY-98	29-JUN-98	<	.00257	UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	57S-98-07X	BENSLF	57S-98-07X	SX570700	ADV1S*27	UFLG	19-MAY-98	29-JUN-98	<	.00663	UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	57S-98-07X	BENSLF	57S-98-07X	SX570700	ADV1S*27	UFLG	19-MAY-98	29-JUN-98	<	.00663	UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	57S-98-07X	DBHC	57S-98-07X	SX570700	ADV1S*27	UFLG	19-MAY-98	29-JUN-98	<	.00555	UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	57S-98-07X	DBHC	57S-98-07X	SX570700	ADV1S*27	UFLG	19-MAY-98	29-JUN-98	<	.00555	UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	57S-98-07X	DLDRN	57S-98-07X	SX570700	ADV1S*27	UFLG	19-MAY-98	29-JUN-98	<	.00629	UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	57S-98-07X	DLDRN	57S-98-07X	SX570700	ADV1S*27	UFLG	19-MAY-98	29-JUN-98	<	.00629	UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	57S-98-07X	ENDRN	57S-98-07X	SX570700	ADV1S*27	UFLG	19-MAY-98	29-JUN-98	<	.00657	UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	57S-98-07X	ENDRN	57S-98-07X	SX570700	ADV1S*27	UFLG	19-MAY-98	29-JUN-98	<	.00657	UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	57S-98-07X	ENDRNA	57S-98-07X	SX570700	ADV1S*27	UFLG	19-MAY-98	29-JUN-98	<	.024	UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	57S-98-07X	ENDRNA	57S-98-07X	SX570700	ADV1S*27	UFLG	19-MAY-98	29-JUN-98	<	.024	UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	57S-98-07X	ENDRNK	57S-98-07X	SX570700	ADV1S*27	UFLG	19-MAY-98	29-JUN-98	<	.024	UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	57S-98-07X	ENDRNK	57S-98-07X	SX570700	ADV1S*27	UFLG	19-MAY-98	29-JUN-98	<	.024	UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	57S-98-07X	ESFS04	57S-98-07X	SX570700	ADV1S*27	UFLG	19-MAY-98	29-JUN-98	<	.00763	UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	57S-98-07X	ESFS04	57S-98-07X	SX570700	ADV1S*27	UFLG	19-MAY-98	29-JUN-98	<	.00763	UGG	.0

TABLE D-10

FIELD DUPLICATE RESULTS UNFILTERED SAMPLES
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor		IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value	Unit	RPD
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	GCLDAN	57S-98-07X	SD570700	ADV1S*27	UFLG	19-MAY-98	29-JUN-98	<		
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	GCLDAN	57S-98-07X	SX570700	LADV1S*7	UFLG	19-MAY-98	29-JUN-98	<	.00133 UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	HPCL	57S-98-07X	SX570700	LADV1S*7	UFLG	19-MAY-98	29-JUN-98	<	.00618 UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	HPCL	57S-98-07X	SD570700	ADV1S*27	UFLG	19-MAY-98	29-JUN-98	<	.00618 UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	HPCLE	57S-98-07X	SD570700	ADV1S*27	UFLG	19-MAY-98	29-JUN-98	<	.0062 UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	HPCLE	57S-98-07X	SX570700	LADV1S*7	UFLG	19-MAY-98	29-JUN-98	<	.0062 UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	ISDR	57S-98-07X	SD570700	ADV1S*27	UFLG	19-MAY-98	29-JUN-98	<	.00461 UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	ISDR	57S-98-07X	SX570700	LADV1S*7	UFLG	19-MAY-98	29-JUN-98	<	.00461 UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	LIN	57S-98-07X	SD570700	ADV1S*27	UFLG	19-MAY-98	29-JUN-98	<	.00638 UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	LIN	57S-98-07X	SX570700	LADV1S*7	UFLG	19-MAY-98	29-JUN-98	<	.00638 UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	MEXCLR	57S-98-07X	SD570700	ADV1S*27	UFLG	19-MAY-98	29-JUN-98	<	.0711 UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	MEXCLR	57S-98-07X	SX570700	LADV1S*7	UFLG	19-MAY-98	29-JUN-98	<	.0711 UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	PPDD	57S-98-07X	SX570700	LADV1S*7	UFLG	19-MAY-98	29-JUN-98	<	.00826 UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	PPDD	57S-98-07X	SD570700	ADV1S*27	UFLG	19-MAY-98	29-JUN-98	<	.00826 UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	PPDE	57S-98-07X	SX570700	LADV1S*7	UFLG	19-MAY-98	29-JUN-98	<	.00765 UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	PPDE	57S-98-07X	SD570700	ADV1S*27	UFLG	19-MAY-98	29-JUN-98	<	.00765 UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	PPDDT	57S-98-07X	SX570700	LADV1S*7	UFLG	19-MAY-98	29-JUN-98	<	.0713 UGG	13.2
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	PPDDT	57S-98-07X	SD570700	ADV1S*27	UFLG	19-MAY-98	29-JUN-98	<	.0625 UGG	13.2
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	TXPHEN	57S-98-07X	SD570700	LADV1S*7	UFLG	19-MAY-98	29-JUN-98	<	.444 UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	TXPHEN	57S-98-07X	SX570700	ADV1S*27	UFLG	19-MAY-98	29-JUN-98	<	.444 UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	PCB016	57S-98-07X	SX570700	LADV1S*7	NGII	19-MAY-98	04-JUN-98	<	.0666 UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	PCB016	57S-98-07X	SD570700	ADV1S*27	NGII	19-MAY-98	04-JUN-98	<	.0666 UGG	.0
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	PCB221	57S-98-07X	SD570700	LADV1S*27	NGII	19-MAY-98	04-JUN-98	<	.082 UGG	.0

TABLE D-10

FIELD DUPLICATE RESULTS UNFILTERED SAMPLES
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS		IRDMIS	
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TABLE D-10

FIELD DUPLICATE RESULTS UNFILTERED SAMPLES
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value	Unit	RPD
ABB-ES	LM18	24DCLP	57S-98-07X	SX570700	LADVIS*7	OEYL	19-MAY-98	28-MAY-98	.9	UGG	133.3
ABB-ES	LM18	24DCLP	57S-98-07X	SD570700	ADV1S*27	OEYL	19-MAY-98	29-MAY-98	.18	UGG	133.3
ABB-ES	LM18	24DMPN	57S-98-07X	SX570700	LADVIS*7	OEYL	19-MAY-98	28-MAY-98	3	UGG	125.2
ABB-ES	LM18	24DMPN	57S-98-07X	SD570700	ADV1S*27	OEYL	19-MAY-98	29-MAY-98	.69	UGG	125.2
ABB-ES	LM18	24DNP	57S-98-07X	SX570700	LADVIS*7	OEYL	19-MAY-98	28-MAY-98	6	UGG	133.3
ABB-ES	LM18	24DNP	57S-98-07X	SD570700	ADV1S*27	OEYL	19-MAY-98	29-MAY-98	1.2	UGG	133.3
ABB-ES	LM18	24DNT	57S-98-07X	SX570700	LADVIS*7	OEYL	19-MAY-98	28-MAY-98	.7	UGG	133.3
ABB-ES	LM18	24DNT	57S-98-07X	SD570700	ADV1S*27	OEYL	19-MAY-98	29-MAY-98	.14	UGG	133.3
ABB-ES	LM18	26DNT	57S-98-07X	SX570700	LADVIS*7	OEYL	19-MAY-98	28-MAY-98	.4	UGG	129.9
ABB-ES	LM18	26DNT	57S-98-07X	SD570700	ADV1S*27	OEYL	19-MAY-98	29-MAY-98	.085	UGG	129.9
ABB-ES	LM18	2CLP	57S-98-07X	SX570700	LADVIS*7	OEYL	19-MAY-98	28-MAY-98	.3	UGG	133.3
ABB-ES	LM18	2CLP	57S-98-07X	SD570700	ADV1S*27	OEYL	19-MAY-98	29-MAY-98	.06	UGG	133.3
ABB-ES	LM18	2CNAP	57S-98-07X	SX570700	LADVIS*7	OEYL	19-MAY-98	28-MAY-98	.2	UGG	139.0
ABB-ES	LM18	2CNAP	57S-98-07X	SD570700	ADV1S*27	OEYL	19-MAY-98	29-MAY-98	.036	UGG	139.0
ABB-ES	LM18	2MNAP	57S-98-07X	SX570700	LADVIS*7	OEYL	19-MAY-98	28-MAY-98	.2	UGG	121.3
ABB-ES	LM18	2MNAP	57S-98-07X	SD570700	ADV1S*27	OEYL	19-MAY-98	29-MAY-98	.049	UGG	121.3
ABB-ES	LM18	2MP	57S-98-07X	SX570700	LADVIS*7	OEYL	19-MAY-98	28-MAY-98	.1	UGG	110.1
ABB-ES	LM18	2MP	57S-98-07X	SD570700	ADV1S*27	OEYL	19-MAY-98	29-MAY-98	.029	UGG	110.1
ABB-ES	LM18	2NANIL	57S-98-07X	SX570700	LADVIS*7	OEYL	19-MAY-98	28-MAY-98	.3	UGG	131.5
ABB-ES	LM18	2NANIL	57S-98-07X	SD570700	ADV1S*27	OEYL	19-MAY-98	29-MAY-98	.062	UGG	131.5
ABB-ES	LM18	2NP	57S-98-07X	SX570700	LADVIS*7	OEYL	19-MAY-98	28-MAY-98	.7	UGG	133.3
ABB-ES	LM18	2NP	57S-98-07X	SD570700	ADV1S*27	OEYL	19-MAY-98	29-MAY-98	.14	UGG	133.3
ABB-ES	LM18	330CBD	57S-98-07X	SX570700	LADVIS*7	OEYL	19-MAY-98	28-MAY-98	30	UGG	130.6

TABLE D-10

FIELD DUPLICATE RESULTS UNFILTERED SAMPLES
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1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS		Test Name	IRDMIS		Lab Number	Lot	Sample Date	Analysis Date	Value	Unit	RPD
		Code	Field		Site ID	Sample Number							
ABB-ES	ORGANICS/SOIL/GCMS	LM18		330CBD	57S-98-07X	SD570700	ADV1S*27	OEYL	19-MAY-98	29-MAY-98	6.3	UGG	130.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18		3NANIL	57S-98-07X	SX570700	LADV1S*7	OEYL	19-MAY-98	28-MAY-98	2	UGG	126.5
ABB-ES	ORGANICS/SOIL/GCMS	LM18		3NANIL	57S-98-07X	SD570700	ADV1S*27	OEYL	19-MAY-98	29-MAY-98	.45	UGG	126.5
ABB-ES	ORGANICS/SOIL/GCMS	LM18		46DN2C	57S-98-07X	SX570700	LADV1S*7	OEYL	19-MAY-98	28-MAY-98	3	UGG	138.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18		46DN2C	57S-98-07X	SD570700	ADV1S*27	OEYL	19-MAY-98	29-MAY-98	.55	UGG	138.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18		48RPPE	57S-98-07X	SX570700	LADV1S*7	OEYL	19-MAY-98	28-MAY-98	.2	UGG	143.3
ABB-ES	ORGANICS/SOIL/GCMS	LM18		48RPPE	57S-98-07X	SD570700	ADV1S*27	OEYL	19-MAY-98	29-MAY-98	.033	UGG	143.3
ABB-ES	ORGANICS/SOIL/GCMS	LM18		4CANIL	57S-98-07X	SX570700	LADV1S*7	OEYL	19-MAY-98	28-MAY-98	4	UGG	132.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18		4CANIL	57S-98-07X	SD570700	ADV1S*27	OEYL	19-MAY-98	29-MAY-98	.81	UGG	132.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18		4CL3C	57S-98-07X	SX570700	LADV1S*7	OEYL	19-MAY-98	28-MAY-98	.5	UGG	136.1
ABB-ES	ORGANICS/SOIL/GCMS	LM18		4CL3C	57S-98-07X	SD570700	ADV1S*27	OEYL	19-MAY-98	29-MAY-98	.095	UGG	136.1
ABB-ES	ORGANICS/SOIL/GCMS	LM18		4CLPPE	57S-98-07X	SX570700	LADV1S*7	OEYL	19-MAY-98	28-MAY-98	.2	UGG	143.3
ABB-ES	ORGANICS/SOIL/GCMS	LM18		4CLPPE	57S-98-07X	SD570700	ADV1S*27	OEYL	19-MAY-98	29-MAY-98	.033	UGG	143.3
ABB-ES	ORGANICS/SOIL/GCMS	LM18		4NP	57S-98-07X	SX570700	LADV1S*7	OEYL	19-MAY-98	28-MAY-98	1	UGG	122.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18		4NP	57S-98-07X	SD570700	ADV1S*27	OEYL	19-MAY-98	29-MAY-98	.24	UGG	122.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18		4NANIL	57S-98-07X	SX570700	LADV1S*7	OEYL	19-MAY-98	28-MAY-98	2	UGG	132.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18		4NANIL	57S-98-07X	SD570700	ADV1S*27	OEYL	19-MAY-98	29-MAY-98	.41	UGG	132.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18		4NP	57S-98-07X	SX570700	LADV1S*7	OEYL	19-MAY-98	28-MAY-98	7	UGG	133.3
ABB-ES	ORGANICS/SOIL/GCMS	LM18		4NP	57S-98-07X	SD570700	ADV1S*27	OEYL	19-MAY-98	29-MAY-98	1.4	UGG	133.3
ABB-ES	ORGANICS/SOIL/GCMS	LM18		ALPHPN	57S-98-07X	SX570700	LADV1S*7	OEYL	19-MAY-98	28-MAY-98	10	UGG	163.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18		ALPHPN	57S-98-07X	SD570700	ADV1S*27	OEYL	19-MAY-98	29-MAY-98	1	UGG	163.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18		ANAPNE	57S-98-07X	SX570700	LADV1S*7	OEYL	19-MAY-98	28-MAY-98	.2	UGG	139.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18		ANAPNE	57S-98-07X	SD570700	ADV1S*27	OEYL	19-MAY-98	29-MAY-98	.036	UGG	139.0

TABLE D-10

FIELD DUPLICATE RESULTS UNFILTERED SAMPLES
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS		Test Name	IRDMIS Field				Analysis Date	Value	Unit	RPD
		Method Code	Site ID	Sample Number	Lab Number	Lot	Sample Date					
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57S-98-07X	SX570700	LADV1S*7	CEXL	19-MAY-98	28-MAY-98	<	.2	UGG	143.3
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57S-98-07X	SD570700	ADV1S*27	CEXL	19-MAY-98	29-MAY-98	<	.033	UGG	143.3
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57S-98-07X	SX570700	LADV1S*7	CEXL	19-MAY-98	28-MAY-98	<	.2	UGG	143.3
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57S-98-07X	SD570700	ADV1S*27	CEXL	19-MAY-98	29-MAY-98	<	.033	UGG	143.3
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57S-98-07X	SX570700	LADV1S*7	CEXL	19-MAY-98	28-MAY-98	<	.3	UGG	134.3
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57S-98-07X	SD570700	ADV1S*27	CEXL	19-MAY-98	29-MAY-98	<	.059	UGG	134.3
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57S-98-07X	SX570700	LADV1S*7	CEXL	19-MAY-98	28-MAY-98	<	1	UGG	133.3
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57S-98-07X	SD570700	ADV1S*27	CEXL	19-MAY-98	29-MAY-98	<	.2	UGG	133.3
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57S-98-07X	SX570700	LADV1S*7	CEXL	19-MAY-98	28-MAY-98	<	.2	UGG	143.3
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57S-98-07X	SD570700	ADV1S*27	CEXL	19-MAY-98	29-MAY-98	<	.033	UGG	143.3
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57S-98-07X	SX570700	LADV1S*7	CEXL	19-MAY-98	28-MAY-98	<	3	UGG	131.5
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57S-98-07X	SD570700	ADV1S*27	CEXL	19-MAY-98	29-MAY-98	<	.62	UGG	131.5
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57S-98-07X	SX570700	LADV1S*7	CEXL	19-MAY-98	28-MAY-98	<	.8	UGG	129.9
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57S-98-07X	SD570700	ADV1S*27	CEXL	19-MAY-98	29-MAY-98	<	.17	UGG	129.9
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57S-98-07X	SX570700	LADV1S*7	CEXL	19-MAY-98	28-MAY-98	<	1	UGG	120.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57S-98-07X	SD570700	ADV1S*27	CEXL	19-MAY-98	29-MAY-98	<	.25	UGG	120.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57S-98-07X	SX570700	LADV1S*7	CEXL	19-MAY-98	28-MAY-98	<	1	UGG	130.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57S-98-07X	SD570700	ADV1S*27	CEXL	19-MAY-98	29-MAY-98	<	.21	UGG	130.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57S-98-07X	SX570700	LADV1S*7	CEXL	19-MAY-98	28-MAY-98	<	.8	UGG	129.9
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57S-98-07X	SD570700	ADV1S*27	CEXL	19-MAY-98	29-MAY-98	<	.17	UGG	129.9
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57S-98-07X	SX570700	LADV1S*7	CEXL	19-MAY-98	28-MAY-98	<	1	UGG	120.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57S-98-07X	SD570700	ADV1S*27	CEXL	19-MAY-98	29-MAY-98	<	.25	UGG	120.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57S-98-07X	SX570700	LADV1S*7	CEXL	19-MAY-98	28-MAY-98	<	3	UGG	127.9
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57S-98-07X	SD570700	ADV1S*27	CEXL	19-MAY-98	29-MAY-98	<	.066	UGG	127.9

TABLE D-10

FIELD DUPLICATE RESULTS UNFILTERED SAMPLES
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Field				Sample Date	Analysis Date	Value	Unit	RPD	
				IRDMIS Site ID	Sample Number	Lab Number	Lot						
ABB-ES	ORGANICS/SOIL/GCMS	LM18	BZALC	57S-98-07X	SX570700	LADV1S*7	OEYL	19-MAY-98	28-MAY-98	<	1	UGG	136.1
	ORGANICS/SOIL/GCMS	LM18	BZALC	57S-98-07X	SD570700	ADV1S*27	OEYL	19-MAY-98	29-MAY-98	<	.19	UGG	136.1
ABB-ES	ORGANICS/SOIL/GCMS	LM18	CARBAZ	57S-98-07X	SX570700	LADV1S*7	OEYL	19-MAY-98	28-MAY-98	<	.7	UGG	133.3
	ORGANICS/SOIL/GCMS	LM18	CARBAZ	57S-98-07X	SD570700	ADV1S*27	OEYL	19-MAY-98	29-MAY-98	<	.14	UGG	133.3
ABB-ES	ORGANICS/SOIL/GCMS	LM18	CHRY	57S-98-07X	SX570700	LADV1S*7	OEYL	19-MAY-98	28-MAY-98	<	.6	UGG	133.3
	ORGANICS/SOIL/GCMS	LM18	CHRY	57S-98-07X	SD570700	ADV1S*27	OEYL	19-MAY-98	29-MAY-98	<	.12	UGG	133.3
ABB-ES	ORGANICS/SOIL/GCMS	LM18	CL6BZ	57S-98-07X	SX570700	LADV1S*7	OEYL	19-MAY-98	28-MAY-98	<	.2	UGG	143.3
	ORGANICS/SOIL/GCMS	LM18	CL6BZ	57S-98-07X	SD570700	ADV1S*27	OEYL	19-MAY-98	29-MAY-98	<	.033	UGG	143.3
ABB-ES	ORGANICS/SOIL/GCMS	LM18	CL6CP	57S-98-07X	SX570700	LADV1S*7	OEYL	19-MAY-98	28-MAY-98	<	30	UGG	131.5
	ORGANICS/SOIL/GCMS	LM18	CL6CP	57S-98-07X	SD570700	ADV1S*27	OEYL	19-MAY-98	29-MAY-98	<	6.2	UGG	131.5
ABB-ES	ORGANICS/SOIL/GCMS	LM18	CL6ET	57S-98-07X	SX570700	LADV1S*7	OEYL	19-MAY-98	28-MAY-98	<	.8	UGG	136.8
	ORGANICS/SOIL/GCMS	LM18	CL6ET	57S-98-07X	SD570700	ADV1S*27	OEYL	19-MAY-98	29-MAY-98	<	.15	UGG	136.8
ABB-ES	ORGANICS/SOIL/GCMS	LM18	DBAHA	57S-98-07X	SX570700	LADV1S*7	OEYL	19-MAY-98	28-MAY-98	<	1	UGG	130.6
	ORGANICS/SOIL/GCMS	LM18	DBAHA	57S-98-07X	SD570700	ADV1S*27	OEYL	19-MAY-98	29-MAY-98	<	.21	UGG	130.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18	DBZFLUR	57S-98-07X	SX570700	LADV1S*7	OEYL	19-MAY-98	28-MAY-98	<	.2	UGG	140.4
	ORGANICS/SOIL/GCMS	LM18	DBZFLUR	57S-98-07X	SD570700	ADV1S*27	OEYL	19-MAY-98	29-MAY-98	<	.035	UGG	140.4
ABB-ES	ORGANICS/SOIL/GCMS	LM18	DEP	57S-98-07X	SX570700	LADV1S*7	OEYL	19-MAY-98	28-MAY-98	<	1	UGG	122.6
	ORGANICS/SOIL/GCMS	LM18	DEP	57S-98-07X	SD570700	ADV1S*27	OEYL	19-MAY-98	29-MAY-98	<	.24	UGG	122.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18	DMP	57S-98-07X	SX570700	LADV1S*7	OEYL	19-MAY-98	28-MAY-98	<	.8	UGG	129.9
	ORGANICS/SOIL/GCMS	LM18	DMP	57S-98-07X	SD570700	ADV1S*27	OEYL	19-MAY-98	29-MAY-98	<	.17	UGG	129.9
ABB-ES	ORGANICS/SOIL/GCMS	LM18	DNBP	57S-98-07X	SX570700	LADV1S*7	OEYL	19-MAY-98	28-MAY-98	<	.3	UGG	132.4
	ORGANICS/SOIL/GCMS	LM18	DNBP	57S-98-07X	SD570700	ADV1S*27	OEYL	19-MAY-98	29-MAY-98	<	.061	UGG	132.4
ABB-ES	ORGANICS/SOIL/GCMS	LM18	DNOP	57S-98-07X	SX570700	LADV1S*7	OEYL	19-MAY-98	28-MAY-98	<	1	UGG	136.1

TABLE D-10

FIELD DUPLICATE RESULTS UNFILTERED SAMPLES
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Field				Sample Date	Analysis Date	Value	Unit	RPD
				IRDMIS Site ID	Field Sample Number	Lab Number	Lot					
ABB-ES	ORGANICS/SOIL/GCMS	LM18	DNOP	57S-98-07X	SD570700	ADV1S*27	OECL	19-MAY-98	29-MAY-98	.19	UGG	136.1
ABB-ES	ORGANICS/SOIL/GCMS	LM18	FANT	57S-98-07X	SD570700	LADV1S*7	OECL	19-MAY-98	28-MAY-98	.3	UGG	126.1
ABB-ES	ORGANICS/SOIL/GCMS	LM18	FANT	57S-98-07X	SD570700	ADV1S*27	OECL	19-MAY-98	29-MAY-98	.068	UGG	126.1
ABB-ES	ORGANICS/SOIL/GCMS	LM18	FLRENE	57S-98-07X	SD570700	LADV1S*7	OECL	19-MAY-98	28-MAY-98	.2	UGG	143.3
ABB-ES	ORGANICS/SOIL/GCMS	LM18	FLRENE	57S-98-07X	SD570700	ADV1S*27	OECL	19-MAY-98	29-MAY-98	.033	UGG	143.3
ABB-ES	ORGANICS/SOIL/GCMS	LM18	HCBD	57S-98-07X	SD570700	LADV1S*7	OECL	19-MAY-98	28-MAY-98	1	UGG	125.2
ABB-ES	ORGANICS/SOIL/GCMS	LM18	HCBD	57S-98-07X	SD570700	ADV1S*27	OECL	19-MAY-98	29-MAY-98	.23	UGG	125.2
ABB-ES	ORGANICS/SOIL/GCMS	LM18	ICDPYR	57S-98-07X	SD570700	LADV1S*7	OECL	19-MAY-98	28-MAY-98	1	UGG	110.1
ABB-ES	ORGANICS/SOIL/GCMS	LM18	ICDPYR	57S-98-07X	SD570700	ADV1S*27	OECL	19-MAY-98	29-MAY-98	.29	UGG	110.1
ABB-ES	ORGANICS/SOIL/GCMS	LM18	ISOPHR	57S-98-07X	SD570700	LADV1S*7	OECL	19-MAY-98	28-MAY-98	.2	UGG	143.3
ABB-ES	ORGANICS/SOIL/GCMS	LM18	ISOPHR	57S-98-07X	SD570700	ADV1S*27	OECL	19-MAY-98	29-MAY-98	.033	UGG	143.3
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NAP	57S-98-07X	SD570700	LADV1S*7	OECL	19-MAY-98	28-MAY-98	.2	UGG	137.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NAP	57S-98-07X	SD570700	ADV1S*27	OECL	19-MAY-98	29-MAY-98	.037	UGG	137.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NB	57S-98-07X	SD570700	LADV1S*7	OECL	19-MAY-98	28-MAY-98	.2	UGG	126.5
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NB	57S-98-07X	SD570700	ADV1S*27	OECL	19-MAY-98	29-MAY-98	.045	UGG	126.5
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NNDNPA	57S-98-07X	SD570700	LADV1S*7	OECL	19-MAY-98	28-MAY-98	1	UGG	133.3
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NNDNPA	57S-98-07X	SD570700	ADV1S*27	OECL	19-MAY-98	29-MAY-98	.2	UGG	133.3
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NNDPA	57S-98-07X	SD570700	LADV1S*7	OECL	19-MAY-98	28-MAY-98	1	UGG	136.1
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NNDPA	57S-98-07X	SD570700	ADV1S*27	OECL	19-MAY-98	29-MAY-98	.19	UGG	136.1
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PCP	57S-98-07X	SD570700	LADV1S*7	OECL	19-MAY-98	28-MAY-98	6	UGG	128.8
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PCP	57S-98-07X	SD570700	ADV1S*27	OECL	19-MAY-98	29-MAY-98	1.3	UGG	128.8
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHANTR	57S-98-07X	SD570700	LADV1S*7	OECL	19-MAY-98	28-MAY-98	.2	UGG	143.3
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHANTR	57S-98-07X	SD570700	ADV1S*27	OECL	19-MAY-98	29-MAY-98	.033	UGG	143.3

TABLE D-10

FIELD DUPLICATE RESULTS UNFILTERED SAMPLES
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS		Test Name	IRDMIS		Lab Number	Sample Date	Analysis Date	Value	Unit	RPD
		Code	Field Number		Site ID	Sample Number						
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57S-98-07X	PHENOL	57S-98-07X	SX570700	LADV1S*7	19-MAY-98	28-MAY-98	.6	UGG	138.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57S-98-07X	PHENOL	57S-98-07X	SD570700	ADV1S*27	19-MAY-98	29-MAY-98	.11	UGG	138.0
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57S-98-07X	PYR	57S-98-07X	SX570700	LADV1S*7	19-MAY-98	28-MAY-98	.2	UGG	143.3
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57S-98-07X	PYR	57S-98-07X	SD570700	ADV1S*27	19-MAY-98	29-MAY-98	.033	UGG	143.3
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57S-98-07X	UNK651	57S-98-07X	SX570700	LADV1S*7	19-MAY-98	28-MAY-98	20	UGG	147.8
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57S-98-07X	UNK651	57S-98-07X	SD570700	ADV1S*27	19-MAY-98	29-MAY-98	3	UGG	147.8
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57S-98-07X	UNK653	57S-98-07X	SX570700	LADV1S*7	19-MAY-98	28-MAY-98	40	UGG	155.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57S-98-07X	UNK653	57S-98-07X	SD570700	ADV1S*27	19-MAY-98	29-MAY-98	5	UGG	155.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57S-98-07X	UNK659	57S-98-07X	SX570700	LADV1S*7	19-MAY-98	28-MAY-98	30	UGG	142.9
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57S-98-07X	UNK659	57S-98-07X	SD570700	ADV1S*27	19-MAY-98	29-MAY-98	5	UGG	142.9
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57S-98-07X	UNK662	57S-98-07X	SX570700	LADV1S*7	19-MAY-98	28-MAY-98	20	UGG	133.3
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57S-98-07X	UNK662	57S-98-07X	SD570700	ADV1S*27	19-MAY-98	29-MAY-98	4	UGG	133.3
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57S-98-07X	UNK663	57S-98-07X	SX570700	LADV1S*7	19-MAY-98	28-MAY-98	20	UGG	163.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57S-98-07X	UNK663	57S-98-07X	SD570700	ADV1S*27	19-MAY-98	29-MAY-98	2	UGG	163.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57S-98-07X	UNK669	57S-98-07X	SX570700	LADV1S*7	19-MAY-98	28-MAY-98	20	UGG	133.3
ABB-ES	ORGANICS/SOIL/GCMS	LM18	57S-98-07X	UNK669	57S-98-07X	SD570700	ADV1S*27	19-MAY-98	29-MAY-98	4	UGG	133.3
ABB-ES	VOLATILES/SOIL/GCMS	LM19	57S-98-07X	111TCE	57S-98-07X	SX570700	LADV1S*7	19-MAY-98	28-MAY-98	.0044	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	57S-98-07X	111TCE	57S-98-07X	SD570700	ADV1S*27	19-MAY-98	29-MAY-98	.0044	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	57S-98-07X	112TCE	57S-98-07X	SX570700	LADV1S*7	19-MAY-98	28-MAY-98	.0054	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	57S-98-07X	112TCE	57S-98-07X	SD570700	ADV1S*27	19-MAY-98	29-MAY-98	.0054	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	57S-98-07X	11DCE	57S-98-07X	SX570700	LADV1S*7	19-MAY-98	28-MAY-98	.0039	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	57S-98-07X	11DCE	57S-98-07X	SD570700	ADV1S*27	19-MAY-98	29-MAY-98	.0039	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	57S-98-07X	11DCE	57S-98-07X	SX570700	LADV1S*7	19-MAY-98	28-MAY-98	.0023	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	57S-98-07X	11DCE	57S-98-07X	SD570700	ADV1S*27	19-MAY-98	29-MAY-98	.0023	UGG	.0

TABLE D-10
FIELD DUPLICATE RESULTS UNFILTERED SAMPLES
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1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	<	Value Unit		RPD
ABB-ES	VOLATILES/SOIL/GCMS	LM19	11DCL	57S-98-07X	SX570700	LADV1S*7	YGOL	19-MAY-98	28-MAY-98	<	.0023	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	12DCE	57S-98-07X	SD570700	ADV1S*27	YGOL	19-MAY-98	29-MAY-98	<	.003	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	12DCE	57S-98-07X	SX570700	LADV1S*7	YGOL	19-MAY-98	28-MAY-98	<	.003	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	12DCL	57S-98-07X	SD570700	ADV1S*27	YGOL	19-MAY-98	29-MAY-98	<	.0017	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	12DCL	57S-98-07X	SX570700	LADV1S*7	YGOL	19-MAY-98	28-MAY-98	<	.0017	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	12DCLP	57S-98-07X	SD570700	ADV1S*27	YGOL	19-MAY-98	29-MAY-98	<	.0029	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	12DCLP	57S-98-07X	SX570700	LADV1S*7	YGOL	19-MAY-98	28-MAY-98	<	.0029	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	ACET	57S-98-07X	SX570700	LADV1S*7	YGOL	19-MAY-98	28-MAY-98	<	.33	UGG	180.4
ABB-ES	VOLATILES/SOIL/GCMS	LM19	ACET	57S-98-07X	SD570700	ADV1S*27	YGOL	19-MAY-98	29-MAY-98	<	.017	UGG	180.4
ABB-ES	VOLATILES/SOIL/GCMS	LM19	BRDCLM	57S-98-07X	SD570700	ADV1S*27	YGOL	19-MAY-98	29-MAY-98	<	.0029	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	BRDCLM	57S-98-07X	SX570700	LADV1S*7	YGOL	19-MAY-98	28-MAY-98	<	.0029	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	C130CP	57S-98-07X	SD570700	ADV1S*27	YGOL	19-MAY-98	29-MAY-98	<	.0032	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	C130CP	57S-98-07X	SX570700	LADV1S*7	YGOL	19-MAY-98	28-MAY-98	<	.0032	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	C2AVE	57S-98-07X	SD570700	ADV1S*27	YGOL	19-MAY-98	29-MAY-98	<	.032	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	C2AVE	57S-98-07X	SX570700	LADV1S*7	YGOL	19-MAY-98	28-MAY-98	<	.032	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	C2H3CL	57S-98-07X	SD570700	ADV1S*27	YGOL	19-MAY-98	29-MAY-98	<	.0062	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	C2H3CL	57S-98-07X	SX570700	LADV1S*7	YGOL	19-MAY-98	28-MAY-98	<	.0062	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	C2H5CL	57S-98-07X	SD570700	ADV1S*27	YGOL	19-MAY-98	29-MAY-98	<	.012	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	C2H5CL	57S-98-07X	SX570700	LADV1S*7	YGOL	19-MAY-98	28-MAY-98	<	.012	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	C6H6	57S-98-07X	SD570700	ADV1S*27	YGOL	19-MAY-98	29-MAY-98	<	.0015	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	C6H6	57S-98-07X	SX570700	LADV1S*7	YGOL	19-MAY-98	28-MAY-98	<	.0015	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	CCL3F	57S-98-07X	SD570700	ADV1S*27	YGOL	19-MAY-98	29-MAY-98	<	.0059	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	CCL3F	57S-98-07X	SX570700	LADV1S*7	YGOL	19-MAY-98	28-MAY-98	<	.0059	UGG	.0

TABLE D-10

FIELD DUPLICATE RESULTS UNFILTERED SAMPLES
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Field				Lab Number	Lot	Sample Date	Analysis Date	Value	Unit	RPD
				IRDMIS Site ID	Sample Number	Number	IRDMIS							
ABB-ES	VOLATILES/SOIL/GCMS	LM19	CCL4	57S-98-07X	SD570700	ADV1S*27	Y GOL	19-MAY-98	29-MAY-98	<		.007	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	CCL4	57S-98-07X	SD570700	LADV1S*7	Y GOL	19-MAY-98	28-MAY-98	<		.007	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	CH2CL2	57S-98-07X	SD570700	ADV1S*27	Y GOL	19-MAY-98	29-MAY-98	<		.012	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	CH2CL2	57S-98-07X	SD570700	LADV1S*7	Y GOL	19-MAY-98	28-MAY-98	<		.012	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	CH3BR	57S-98-07X	SD570700	ADV1S*27	Y GOL	19-MAY-98	29-MAY-98	<		.0057	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	CH3BR	57S-98-07X	SD570700	LADV1S*7	Y GOL	19-MAY-98	28-MAY-98	<		.0057	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	CH3CL	57S-98-07X	SD570700	ADV1S*27	Y GOL	19-MAY-98	29-MAY-98	<		.0088	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	CH3CL	57S-98-07X	SD570700	LADV1S*7	Y GOL	19-MAY-98	28-MAY-98	<		.0088	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	CHBR3	57S-98-07X	SD570700	ADV1S*27	Y GOL	19-MAY-98	29-MAY-98	<		.0069	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	CHBR3	57S-98-07X	SD570700	LADV1S*7	Y GOL	19-MAY-98	28-MAY-98	<		.0069	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	CHCL3	57S-98-07X	SD570700	ADV1S*27	Y GOL	19-MAY-98	29-MAY-98	<		.00087	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	CHCL3	57S-98-07X	SD570700	LADV1S*7	Y GOL	19-MAY-98	28-MAY-98	<		.00087	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	CLC6H5	57S-98-07X	SD570700	ADV1S*27	Y GOL	19-MAY-98	29-MAY-98	<		.00086	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	CLC6H5	57S-98-07X	SD570700	LADV1S*7	Y GOL	19-MAY-98	28-MAY-98	<		.00086	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	CS2	57S-98-07X	SD570700	ADV1S*27	Y GOL	19-MAY-98	29-MAY-98	<		.0044	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	CS2	57S-98-07X	SD570700	LADV1S*7	Y GOL	19-MAY-98	28-MAY-98	<		.0044	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	DBRCLM	57S-98-07X	SD570700	ADV1S*27	Y GOL	19-MAY-98	29-MAY-98	<		.0031	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	DBRCLM	57S-98-07X	SD570700	LADV1S*7	Y GOL	19-MAY-98	28-MAY-98	<		.0031	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	ETC6H5	57S-98-07X	SD570700	ADV1S*27	Y GOL	19-MAY-98	29-MAY-98	<		.0017	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	ETC6H5	57S-98-07X	SD570700	LADV1S*7	Y GOL	19-MAY-98	28-MAY-98	<		.0017	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	MEC6H5	57S-98-07X	SD570700	ADV1S*27	Y GOL	19-MAY-98	29-MAY-98	<		.00078	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	MEC6H5	57S-98-07X	SD570700	LADV1S*7	Y GOL	19-MAY-98	28-MAY-98	<		.00078	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	MEK	57S-98-07X	SD570700	ADV1S*27	Y GOL	19-MAY-98	29-MAY-98	<		.07	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	MEK	57S-98-07X	SD570700	LADV1S*7	Y GOL	19-MAY-98	28-MAY-98	<		.07	UGG	.0

TABLE D-10

FIELD DUPLICATE RESULTS UNFILTERED SAMPLES
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS		Test Name	IRDMIS		Lab Number	Lot	Sample Date	Analysis Date	Value	Unit	RPD
		Method Code	Field Sample Number		Site ID	Sample Number							
ABB-ES	VOLATILES/SOIL/GCMS	LM19	57S-98-07X	MIK	57S-98-07X	SD570700	ADV1S*27	YGOL	19-MAY-98	29-MAY-98	.027	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	57S-98-07X	MIK	57S-98-07X	SD570700	LADV1S*7	YGOL	19-MAY-98	28-MAY-98	.027	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	57S-98-07X	MNBK	57S-98-07X	SD570700	ADV1S*27	YGOL	19-MAY-98	29-MAY-98	.032	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	57S-98-07X	MNBK	57S-98-07X	SD570700	LADV1S*7	YGOL	19-MAY-98	28-MAY-98	.032	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	57S-98-07X	STYR	57S-98-07X	SD570700	LADV1S*7	YGOL	19-MAY-98	28-MAY-98	.0026	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	57S-98-07X	STYR	57S-98-07X	SD570700	ADV1S*27	YGOL	19-MAY-98	29-MAY-98	.0026	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	57S-98-07X	T130CP	57S-98-07X	SD570700	LADV1S*7	YGOL	19-MAY-98	28-MAY-98	.0028	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	57S-98-07X	T130CP	57S-98-07X	SD570700	ADV1S*27	YGOL	19-MAY-98	29-MAY-98	.0028	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	57S-98-07X	TCLEA	57S-98-07X	SD570700	LADV1S*7	YGOL	19-MAY-98	28-MAY-98	.0024	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	57S-98-07X	TCLEA	57S-98-07X	SD570700	ADV1S*27	YGOL	19-MAY-98	29-MAY-98	.0024	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	57S-98-07X	TCLEE	57S-98-07X	SD570700	LADV1S*7	YGOL	19-MAY-98	28-MAY-98	.00081	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	57S-98-07X	TCLEE	57S-98-07X	SD570700	ADV1S*27	YGOL	19-MAY-98	29-MAY-98	.00081	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	57S-98-07X	TRCLE	57S-98-07X	SD570700	LADV1S*7	YGOL	19-MAY-98	28-MAY-98	.0028	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	57S-98-07X	TRCLE	57S-98-07X	SD570700	ADV1S*27	YGOL	19-MAY-98	29-MAY-98	.0028	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	57S-98-07X	XYLEN	57S-98-07X	SD570700	LADV1S*7	YGOL	19-MAY-98	29-MAY-98	.0015	UGG	.0
ABB-ES	VOLATILES/SOIL/GCMS	LM19	57S-98-07X	XYLEN	57S-98-07X	SD570700	ADV1S*27	YGOL	19-MAY-98	28-MAY-98	.0015	UGG	.0
ABB-ES	METALS/WATER/ICP-MS	S303	57M-96-11X	AS	57M-96-11X	MX5711XX	ADV1W*26	OKPB	27-MAY-98	12-AUG-98	84.4	UGL	1.0
ABB-ES	METALS/WATER/ICP-MS	S303	57M-96-11X	AS	57M-96-11X	MX5711XX	ADV1W*28	OKPB	27-MAY-98	12-AUG-98	83.6	UGL	1.0
ABB-ES	METALS/WATER/ICP	SS18	57M-96-11X	BA	57M-96-11X	MX5711XX	ADV1W*28	OGHG	27-MAY-98	03-JUN-98	41.8	UGL	79.6
ABB-ES	METALS/WATER/ICP	SS18	57M-96-11X	BA	57M-96-11X	MX5711XX	ADV1W*26	OGHG	27-MAY-98	03-JUN-98	18	UGL	79.6
ABB-ES	METALS/WATER/ICP	SS18	57M-96-11X	CU	57M-96-11X	MX5711XX	ADV1W*28	OGHG	27-MAY-98	03-JUN-98	8.54	UGL	52.3
ABB-ES	METALS/WATER/ICP	SS18	57M-96-11X	CU	57M-96-11X	MX5711XX	ADV1W*26	OGHG	27-MAY-98	03-JUN-98	5	UGL	52.3

TABLE D-10

FIELD DUPLICATE RESULTS UNFILTERED SAMPLES
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample				Lab Number	Lot	Sample Date	Analysis Date	Value	Unit	RPD
				IRDMIS Site ID	Sample Number	Field Sample Number	Field Sample Number							
ABB-ES	METALS/WATER/ICP	SS18	MN	57M-96-11X	MX5711XX			ADV1W*26	OGHG	27-MAY-98	03-JUN-98	2640	UGL	7.1
ABB-ES	METALS/WATER/ICP	SS18	MN	57M-96-11X	MD5711XX			ADV1W*28	OGHG	27-MAY-98	03-JUN-98	2460	UGL	7.1
ABB-ES	METALS/WATER/ICP	SS18	PB	57M-96-11X	MX5711XX			ADV1W*26	OGHG	27-MAY-98	03-JUN-98	50	UGL	.0
ABB-ES	METALS/WATER/ICP	SS18	PB	57M-96-11X	MD5711XX			ADV1W*28	OGHG	27-MAY-98	03-JUN-98	50	UGL	.0
ABB-ES	METALS/WATER/ICP	SS18	SB	57M-96-11X	MX5711XX			ADV1W*26	OGHG	27-MAY-98	03-JUN-98	50	UGL	.0
ABB-ES	METALS/WATER/ICP	SS18	SB	57M-96-11X	MD5711XX			ADV1W*28	OGHG	27-MAY-98	03-JUN-98	50	UGL	.0
ABB-ES	METALS/WATER/ICP	SS18	SE	57M-96-11X	MX5711XX			ADV1W*26	OGHG	27-MAY-98	03-JUN-98	50	UGL	.0
ABB-ES	METALS/WATER/ICP	SS18	SE	57M-96-11X	MD5711XX			ADV1W*28	OGHG	27-MAY-98	03-JUN-98	50	UGL	.0
ABB-ES	METALS/WATER/ICP	SS18	ZN	57M-96-11X	MX5711XX			ADV1W*26	OGHG	27-MAY-98	03-JUN-98	35.8	UGL	.0
ABB-ES	METALS/WATER/ICP	SS18	ZN	57M-96-11X	MD5711XX			ADV1W*28	OGHG	27-MAY-98	03-JUN-98	35.8	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH02	PCB016	57M-96-11X	MX5711XX			ADV1W*26	SDWG	27-MAY-98	24-JUN-98	.16	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH02	PCB016	57M-96-11X	MD5711XX			ADV1W*28	SDWG	27-MAY-98	24-JUN-98	.16	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH02	PCB221	57M-96-11X	MX5711XX			ADV1W*26	SDWG	27-MAY-98	24-JUN-98	.16	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH02	PCB221	57M-96-11X	MD5711XX			ADV1W*28	SDWG	27-MAY-98	24-JUN-98	.16	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH02	PCB232	57M-96-11X	MX5711XX			ADV1W*26	SDWG	27-MAY-98	24-JUN-98	.16	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH02	PCB232	57M-96-11X	MD5711XX			ADV1W*28	SDWG	27-MAY-98	24-JUN-98	.16	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH02	PCB242	57M-96-11X	MX5711XX			ADV1W*26	SDWG	27-MAY-98	24-JUN-98	.19	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH02	PCB242	57M-96-11X	MD5711XX			ADV1W*28	SDWG	27-MAY-98	24-JUN-98	.19	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH02	PCB248	57M-96-11X	MX5711XX			ADV1W*26	SDWG	27-MAY-98	24-JUN-98	.19	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH02	PCB248	57M-96-11X	MD5711XX			ADV1W*28	SDWG	27-MAY-98	24-JUN-98	.19	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH02	PCB254	57M-96-11X	MX5711XX			ADV1W*26	SDWG	27-MAY-98	24-JUN-98	.19	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH02	PCB254	57M-96-11X	MD5711XX			ADV1W*28	SDWG	27-MAY-98	24-JUN-98	.19	UGL	.0

TABLE D-10

FIELD DUPLICATE RESULTS UNFILTERED SAMPLES
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS		Test Name	IRDMIS				Field		Lab Number	Lot	Sample Date	Analysis Date	Value	Unit	RPD
		Method Code			Site ID	IRDMIS	Sample Number										
ABB-ES	PESTICIDES/WATER/GCEC	UH02		PCB260	57M-96-11X	MD5711XX	ADV1W*28	SDWG	27-MAY-98	24-JUN-98	<				.19	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH02		PCB260	57M-96-11X	MX5711XX	ADV1W*26	SDWG	27-MAY-98	24-JUN-98	<				.19	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13		ABHC	57M-96-11X	MX5711XX	ADV1W*26	TD01	27-MAY-98	27-JUN-98	<				.0385	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13		ABHC	57M-96-11X	MD5711XX	ADV1W*28	TD01	27-MAY-98	28-JUN-98	<				.0385	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13		ACLDAN	57M-96-11X	MD5711XX	ADV1W*28	TD01	27-MAY-98	28-JUN-98	<				.075	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13		ACLDAN	57M-96-11X	MX5711XX	ADV1W*26	TD01	27-MAY-98	27-JUN-98	<				.075	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13		AENSLF	57M-96-11X	MD5711XX	ADV1W*28	TD01	27-MAY-98	28-JUN-98	<				.023	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13		AENSLF	57M-96-11X	MX5711XX	ADV1W*26	TD01	27-MAY-98	27-JUN-98	<				.023	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13		ALDRN	57M-96-11X	MX5711XX	ADV1W*26	TD01	27-MAY-98	27-JUN-98	<				.0918	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13		ALDRN	57M-96-11X	MD5711XX	ADV1W*28	TD01	27-MAY-98	28-JUN-98	<				.0918	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13		BBHC	57M-96-11X	MX5711XX	ADV1W*26	TD01	27-MAY-98	27-JUN-98	<				.024	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13		BBHC	57M-96-11X	MD5711XX	ADV1W*28	TD01	27-MAY-98	28-JUN-98	<				.024	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13		BENSLF	57M-96-11X	MX5711XX	ADV1W*26	TD01	27-MAY-98	27-JUN-98	<				.023	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13		BENSLF	57M-96-11X	MD5711XX	ADV1W*28	TD01	27-MAY-98	28-JUN-98	<				.023	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13		DBHC	57M-96-11X	MD5711XX	ADV1W*28	TD01	27-MAY-98	28-JUN-98	<				.0293	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13		DBHC	57M-96-11X	MX5711XX	ADV1W*26	TD01	27-MAY-98	27-JUN-98	<				.0293	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13		DLDRN	57M-96-11X	MD5711XX	ADV1W*28	TD01	27-MAY-98	28-JUN-98	<				.024	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13		DLDRN	57M-96-11X	MX5711XX	ADV1W*26	TD01	27-MAY-98	27-JUN-98	<				.024	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13		ENDRN	57M-96-11X	MD5711XX	ADV1W*28	TD01	27-MAY-98	28-JUN-98	<				.0238	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13		ENDRN	57M-96-11X	MX5711XX	ADV1W*26	TD01	27-MAY-98	27-JUN-98	<				.0238	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13		ENDRNA	57M-96-11X	MD5711XX	ADV1W*28	TD01	27-MAY-98	28-JUN-98	<				.0285	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13		ENDRNA	57M-96-11X	MX5711XX	ADV1W*26	TD01	27-MAY-98	27-JUN-98	<				.0285	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13		ENDRNK	57M-96-11X	MD5711XX	ADV1W*28	TD01	27-MAY-98	28-JUN-98	<				.0285	UGL	.0

TABLE D-10

FIELD DUPLICATE RESULTS UNFILTERED SAMPLES
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS		Test Name	IRDMIS Field				Analysis Date	Value	Unit	RPD
		Code	Site ID	Sample Number	Lab Number	Lot	Sample Date	Analysis Date				
ABB-ES	PESTICIDES/WATER/GCEC	UH13	57M-96-11X	MX5711XX	ADV1W*26	TD01	27-MAY-98	27-JUN-98	<	.0285	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13	57M-96-11X	MD5711XX	ADV1W*28	TD01	27-MAY-98	28-JUN-98	<	.0786	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13	57M-96-11X	MX5711XX	ADV1W*26	TD01	27-MAY-98	27-JUN-98	<	.0786	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13	57M-96-11X	MD5711XX	ADV1W*28	TD01	27-MAY-98	28-JUN-98	<	.075	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13	57M-96-11X	MX5711XX	ADV1W*26	TD01	27-MAY-98	27-JUN-98	<	.075	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13	57M-96-11X	MD5711XX	ADV1W*28	TD01	27-MAY-98	28-JUN-98	<	.0423	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13	57M-96-11X	MX5711XX	ADV1W*26	TD01	27-MAY-98	27-JUN-98	<	.0423	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13	57M-96-11X	MD5711XX	ADV1W*28	TD01	27-MAY-98	28-JUN-98	<	.0245	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13	57M-96-11X	MX5711XX	ADV1W*26	TD01	27-MAY-98	27-JUN-98	<	.0245	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13	57M-96-11X	MD5711XX	ADV1W*28	TD01	27-MAY-98	28-JUN-98	<	.0562	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13	57M-96-11X	MX5711XX	ADV1W*26	TD01	27-MAY-98	27-JUN-98	<	.0562	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13	57M-96-11X	MD5711XX	ADV1W*28	TD01	27-MAY-98	28-JUN-98	<	.0507	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13	57M-96-11X	MX5711XX	ADV1W*26	TD01	27-MAY-98	27-JUN-98	<	.0507	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13	57M-96-11X	MD5711XX	ADV1W*28	TD01	27-MAY-98	28-JUN-98	<	.057	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13	57M-96-11X	MX5711XX	ADV1W*26	TD01	27-MAY-98	27-JUN-98	<	.057	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13	57M-96-11X	MD5711XX	ADV1W*28	TD01	27-MAY-98	28-JUN-98	<	.0233	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13	57M-96-11X	MX5711XX	ADV1W*26	TD01	27-MAY-98	27-JUN-98	<	.0233	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13	57M-96-11X	MD5711XX	ADV1W*28	TD01	27-MAY-98	28-JUN-98	<	.027	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13	57M-96-11X	MX5711XX	ADV1W*26	TD01	27-MAY-98	27-JUN-98	<	.027	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13	57M-96-11X	MD5711XX	ADV1W*28	TD01	27-MAY-98	28-JUN-98	<	.034	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13	57M-96-11X	MX5711XX	ADV1W*26	TD01	27-MAY-98	27-JUN-98	<	.034	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13	57M-96-11X	MD5711XX	ADV1W*28	TD01	27-MAY-98	28-JUN-98	<	1.35	UGL	.0
ABB-ES	PESTICIDES/WATER/GCEC	UH13	57M-96-11X	MX5711XX	ADV1W*26	TD01	27-MAY-98	27-JUN-98	<	1.35	UGL	.0

TABLE D-10

FIELD DUPLICATE RESULTS UNFILTERED SAMPLES
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS		Test Name	IRDMIS Field				Sample Date	Analysis Date	Value	Unit	RPD
		Code	Site ID	Sample Number	Lab Number	Lot	Number	Field					
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MX5711XX	ADV1W*26	MDIO	27-MAY-98	16-JUN-98	<		1.8	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MD5711XX	ADV1W*28	MDIO	27-MAY-98	16-JUN-98	<		1.8	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MX5711XX	ADV1W*26	MDIO	27-MAY-98	16-JUN-98			6.4	UGL	48.5
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MD5711XX	ADV1W*28	MDIO	27-MAY-98	16-JUN-98			3.9	UGL	48.5
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MX5711XX	ADV1W*26	MDIO	27-MAY-98	16-JUN-98	<		1.7	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MD5711XX	ADV1W*28	MDIO	27-MAY-98	16-JUN-98	<		1.7	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MX5711XX	ADV1W*26	MDIO	27-MAY-98	16-JUN-98			2.7	UGL	45.5
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MD5711XX	ADV1W*28	MDIO	27-MAY-98	16-JUN-98	<		1.7	UGL	45.5
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MX5711XX	ADV1W*26	MDIO	27-MAY-98	16-JUN-98	<		5.2	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MD5711XX	ADV1W*28	MDIO	27-MAY-98	16-JUN-98	<		5.2	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MX5711XX	ADV1W*26	MDIO	27-MAY-98	16-JUN-98	<		4.2	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MD5711XX	ADV1W*28	MDIO	27-MAY-98	16-JUN-98	<		4.2	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MX5711XX	ADV1W*26	MDIO	27-MAY-98	16-JUN-98	<		2.9	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MD5711XX	ADV1W*28	MDIO	27-MAY-98	16-JUN-98	<		2.9	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MX5711XX	ADV1W*26	MDIO	27-MAY-98	16-JUN-98	<		5.8	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MD5711XX	ADV1W*28	MDIO	27-MAY-98	16-JUN-98	<		5.8	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MX5711XX	ADV1W*26	MDIO	27-MAY-98	16-JUN-98	<		21	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MD5711XX	ADV1W*28	MDIO	27-MAY-98	16-JUN-98	<		21	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MX5711XX	ADV1W*26	MDIO	27-MAY-98	16-JUN-98	<		4.5	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MD5711XX	ADV1W*28	MDIO	27-MAY-98	16-JUN-98	<		4.5	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MX5711XX	ADV1W*26	MDIO	27-MAY-98	16-JUN-98	<		.79	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MD5711XX	ADV1W*28	MDIO	27-MAY-98	16-JUN-98	<		.79	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MX5711XX	ADV1W*26	MDIO	27-MAY-98	16-JUN-98	<		.99	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MD5711XX	ADV1W*28	MDIO	27-MAY-98	16-JUN-98	<				

TABLE D-10

FIELD DUPLICATE RESULTS UNFILTERED SAMPLES
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS		Test Name	IRDMIS Field				Sample Date	Analysis Date	Value	Unit	RPD
		Code	Site ID	Sample Number	Lab Number	Lot	Field	Number					
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MX5711XX	ADV1W*26	MD10	27-MAY-98	16-JUN-98	<		.99	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MD5711XX	ADV1W*28	MD10	27-MAY-98	16-JUN-98	<		.5	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MX5711XX	ADV1W*26	MD10	27-MAY-98	16-JUN-98	<		.5	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MD5711XX	ADV1W*28	MD10	27-MAY-98	16-JUN-98	<		1.7	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MX5711XX	ADV1W*26	MD10	27-MAY-98	16-JUN-98	<		1.7	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MX5711XX	ADV1W*26	MD10	27-MAY-98	16-JUN-98	<		3.9	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MD5711XX	ADV1W*28	MD10	27-MAY-98	16-JUN-98	<		3.9	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MX5711XX	ADV1W*26	MD10	27-MAY-98	16-JUN-98	<		4.3	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MD5711XX	ADV1W*28	MD10	27-MAY-98	16-JUN-98	<		4.3	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MX5711XX	ADV1W*26	MD10	27-MAY-98	16-JUN-98	<		3.7	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MD5711XX	ADV1W*28	MD10	27-MAY-98	16-JUN-98	<		3.7	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MX5711XX	ADV1W*26	MD10	27-MAY-98	16-JUN-98	<		12	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MD5711XX	ADV1W*28	MD10	27-MAY-98	16-JUN-98	<		12	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MX5711XX	ADV1W*26	MD10	27-MAY-98	16-JUN-98	<		4.9	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MD5711XX	ADV1W*28	MD10	27-MAY-98	16-JUN-98	<		4.9	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MX5711XX	ADV1W*26	MD10	27-MAY-98	16-JUN-98	<		17	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MD5711XX	ADV1W*28	MD10	27-MAY-98	16-JUN-98	<		17	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MX5711XX	ADV1W*26	MD10	27-MAY-98	16-JUN-98	<		4.2	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MD5711XX	ADV1W*28	MD10	27-MAY-98	16-JUN-98	<		4.2	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MX5711XX	ADV1W*26	MD10	27-MAY-98	16-JUN-98	<		7.3	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MD5711XX	ADV1W*28	MD10	27-MAY-98	16-JUN-98	<		7.3	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MX5711XX	ADV1W*26	MD10	27-MAY-98	16-JUN-98	<		4	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57N-96-11X	MD5711XX	ADV1W*28	MD10	27-MAY-98	16-JUN-98	<		4	UGL	.0

TABLE D-10

FIELD DUPLICATE RESULTS UNFILTERED SAMPLES
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS		Test Name	IRDMIS Field				Analysis Date	Value	Unit	RPD
		Method Code	Site ID		Sample Number	Lab Number	Lot	Sample Date				
ABB-ES	ORGANICS/WATER/GCMS	UM18	57M-96-11X	4CLPPE	MD5711XX	ADV1W*28	MD10	27-MAY-98	16-JUN-98	5.1	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57M-96-11X	4CLPPE	MX5711XX	ADV1W*26	MD10	27-MAY-98	16-JUN-98	5.1	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57M-96-11X	4MP	MD5711XX	ADV1W*28	MD10	27-MAY-98	16-JUN-98	.52	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57M-96-11X	4MP	MX5711XX	ADV1W*26	MD10	27-MAY-98	16-JUN-98	.52	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57M-96-11X	4NANIL	MD5711XX	ADV1W*28	MD10	27-MAY-98	16-JUN-98	5.2	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57M-96-11X	4NANIL	MX5711XX	ADV1W*26	MD10	27-MAY-98	16-JUN-98	5.2	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57M-96-11X	4NP	MD5711XX	ADV1W*28	MD10	27-MAY-98	16-JUN-98	12	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57M-96-11X	4NP	MX5711XX	ADV1W*26	MD10	27-MAY-98	16-JUN-98	12	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57M-96-11X	ANAPNE	MD5711XX	ADV1W*28	MD10	27-MAY-98	16-JUN-98	1.7	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57M-96-11X	ANAPNE	MX5711XX	ADV1W*26	MD10	27-MAY-98	16-JUN-98	1.7	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57M-96-11X	ANAPYL	MD5711XX	ADV1W*28	MD10	27-MAY-98	16-JUN-98	.5	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57M-96-11X	ANAPYL	MX5711XX	ADV1W*26	MD10	27-MAY-98	16-JUN-98	.5	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57M-96-11X	ANTRC	MD5711XX	ADV1W*28	MD10	27-MAY-98	16-JUN-98	.5	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57M-96-11X	ANTRC	MX5711XX	ADV1W*26	MD10	27-MAY-98	16-JUN-98	.5	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57M-96-11X	B2CEXM	MD5711XX	ADV1W*28	MD10	27-MAY-98	16-JUN-98	1.5	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57M-96-11X	B2CEXM	MX5711XX	ADV1W*26	MD10	27-MAY-98	16-JUN-98	1.5	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57M-96-11X	B2CIPE	MD5711XX	ADV1W*28	MD10	27-MAY-98	16-JUN-98	5.3	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57M-96-11X	B2CIPE	MX5711XX	ADV1W*26	MD10	27-MAY-98	16-JUN-98	5.3	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57M-96-11X	B2CLEE	MD5711XX	ADV1W*28	MD10	27-MAY-98	16-JUN-98	1.9	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57M-96-11X	B2CLEE	MX5711XX	ADV1W*26	MD10	27-MAY-98	16-JUN-98	1.9	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57M-96-11X	B2EHP	MD5711XX	ADV1W*28	MD10	27-MAY-98	16-JUN-98	4.8	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57M-96-11X	B2EHP	MX5711XX	ADV1W*26	MD10	27-MAY-98	16-JUN-98	4.8	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57M-96-11X	BAANTR	MD5711XX	ADV1W*28	MD10	27-MAY-98	16-JUN-98	1.6	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	57M-96-11X	BAANTR	MX5711XX	ADV1W*26	MD10	27-MAY-98	16-JUN-98	1.6	UGL	.0

FIELD DUPLICATE RESULTS UNFILTERED SAMPLES
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	<	Value	Unit	RPD
ABB-ES ABB-ES	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	UM18 UM18	BAPYR BAPYR	57M-96-11X 57M-96-11X	M05711XX MX5711XX	ADV1W*28 ADV1W*26	M010 M010	27-MAY-98 27-MAY-98	16-JUN-98 16-JUN-98	< <	4.7 UGL 4.7 UGL	.0 .0	
ABB-ES ABB-ES	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	UM18 UM18	BBFANT BBFANT	57M-96-11X 57M-96-11X	M05711XX MX5711XX	ADV1W*28 ADV1W*26	M010 M010	27-MAY-98 27-MAY-98	16-JUN-98 16-JUN-98	< <	5.4 UGL 5.4 UGL	.0 .0	
ABB-ES ABB-ES	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	UM18 UM18	BBZP BBZP	57M-96-11X 57M-96-11X	M05711XX MX5711XX	ADV1W*28 ADV1W*26	M010 M010	27-MAY-98 27-MAY-98	16-JUN-98 16-JUN-98	< <	3.4 UGL 3.4 UGL	.0 .0	
ABB-ES ABB-ES	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	UM18 UM18	BENZOA BENZOA	57M-96-11X 57M-96-11X	M05711XX MX5711XX	ADV1W*28 ADV1W*26	M010 M010	27-MAY-98 27-MAY-98	16-JUN-98 16-JUN-98	< <	13 UGL 13 UGL	.0 .0	
ABB-ES ABB-ES	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	UM18 UM18	BGHIPPY BGHIPPY	57M-96-11X 57M-96-11X	M05711XX MX5711XX	ADV1W*28 ADV1W*26	M010 M010	27-MAY-98 27-MAY-98	16-JUN-98 16-JUN-98	< <	6.1 UGL 6.1 UGL	.0 .0	
ABB-ES ABB-ES	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	UM18 UM18	BKFANT BKFANT	57M-96-11X 57M-96-11X	M05711XX MX5711XX	ADV1W*28 ADV1W*26	M010 M010	27-MAY-98 27-MAY-98	16-JUN-98 16-JUN-98	< <	.87 UGL .87 UGL	.0 .0	
ABB-ES ABB-ES	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	UM18 UM18	BZALC BZALC	57M-96-11X 57M-96-11X	M05711XX MX5711XX	ADV1W*28 ADV1W*26	M010 M010	27-MAY-98 27-MAY-98	16-JUN-98 16-JUN-98	< <	.72 UGL .72 UGL	.0 .0	
ABB-ES ABB-ES	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	UM18 UM18	CARBAZ CARBAZ	57M-96-11X 57M-96-11X	M05711XX MX5711XX	ADV1W*28 ADV1W*26	M010 M010	27-MAY-98 27-MAY-98	16-JUN-98 16-JUN-98	< <	2 UGL 2 UGL	.0 .0	
ABB-ES ABB-ES	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	UM18 UM18	CHRY CHRY	57M-96-11X 57M-96-11X	M05711XX MX5711XX	ADV1W*28 ADV1W*26	M010 M010	27-MAY-98 27-MAY-98	16-JUN-98 16-JUN-98	< <	2.4 UGL 2.4 UGL	.0 .0	
ABB-ES ABB-ES	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	UM18 UM18	CL68Z CL68Z	57M-96-11X 57M-96-11X	M05711XX MX5711XX	ADV1W*28 ADV1W*26	M010 M010	27-MAY-98 27-MAY-98	16-JUN-98 16-JUN-98	< <	1.6 UGL 1.6 UGL	.0 .0	
ABB-ES ABB-ES	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	UM18 UM18	CL6CP CL6CP	57M-96-11X 57M-96-11X	M05711XX MX5711XX	ADV1W*28 ADV1W*26	M010 M010	27-MAY-98 27-MAY-98	16-JUN-98 16-JUN-98	< <	8.6 UGL 8.6 UGL	.0 .0	
ABB-ES ABB-ES	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	UM18 UM18	CL6ET CL6ET	57M-96-11X 57M-96-11X	M05711XX MX5711XX	ADV1W*28 ADV1W*26	M010 M010	27-MAY-98 27-MAY-98	16-JUN-98 16-JUN-98	< <	1.5 UGL 1.5 UGL	.0 .0	

TABLE D-10

FIELD DUPLICATE RESULTS UNFILTERED SAMPLES
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Field				Sample Date	Analysis Date	Value	Unit	RPD
				IRDMIS Site ID	IRDMIS Sample Number	Lab Number	Lot					
ABB-ES	ORGANICS/WATER/GCMS	UM18	CL6ET	57M-96-11X	MX5711XX	ADV1W*26	WDIO	27-MAY-98	16-JUN-98	1.5	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	DBAHA	57M-96-11X	MD5711XX	ADV1W*28	WDIO	27-MAY-98	16-JUN-98	6.5	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	DBAHA	57M-96-11X	MX5711XX	ADV1W*26	WDIO	27-MAY-98	16-JUN-98	6.5	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	DBZFUR	57M-96-11X	MD5711XX	ADV1W*28	WDIO	27-MAY-98	16-JUN-98	1.7	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	DBZFUR	57M-96-11X	MX5711XX	ADV1W*26	WDIO	27-MAY-98	16-JUN-98	1.7	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	DEP	57M-96-11X	MD5711XX	ADV1W*28	WDIO	27-MAY-98	16-JUN-98	2	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	DEP	57M-96-11X	MX5711XX	ADV1W*26	WDIO	27-MAY-98	16-JUN-98	2	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	DMP	57M-96-11X	MD5711XX	ADV1W*28	WDIO	27-MAY-98	16-JUN-98	1.5	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	DMP	57M-96-11X	MX5711XX	ADV1W*26	WDIO	27-MAY-98	16-JUN-98	1.5	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	DNBP	57M-96-11X	MD5711XX	ADV1W*28	WDIO	27-MAY-98	16-JUN-98	3.7	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	DNBP	57M-96-11X	MX5711XX	ADV1W*26	WDIO	27-MAY-98	16-JUN-98	3.7	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	DNOP	57M-96-11X	MD5711XX	ADV1W*28	WDIO	27-MAY-98	16-JUN-98	15	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	DNOP	57M-96-11X	MX5711XX	ADV1W*26	WDIO	27-MAY-98	16-JUN-98	15	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	FANT	57M-96-11X	MD5711XX	ADV1W*28	WDIO	27-MAY-98	16-JUN-98	3.3	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	FANT	57M-96-11X	MX5711XX	ADV1W*26	WDIO	27-MAY-98	16-JUN-98	3.3	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	FLRENE	57M-96-11X	MD5711XX	ADV1W*28	WDIO	27-MAY-98	16-JUN-98	3.7	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	FLRENE	57M-96-11X	MX5711XX	ADV1W*26	WDIO	27-MAY-98	16-JUN-98	3.7	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	HCBD	57M-96-11X	MD5711XX	ADV1W*28	WDIO	27-MAY-98	16-JUN-98	3.4	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	HCBD	57M-96-11X	MX5711XX	ADV1W*26	WDIO	27-MAY-98	16-JUN-98	3.4	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	ICDPYR	57M-96-11X	MD5711XX	ADV1W*28	WDIO	27-MAY-98	16-JUN-98	8.6	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	ICDPYR	57M-96-11X	MX5711XX	ADV1W*26	WDIO	27-MAY-98	16-JUN-98	8.6	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	ISOPHR	57M-96-11X	MD5711XX	ADV1W*28	WDIO	27-MAY-98	16-JUN-98	4.8	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18	ISOPHR	57M-96-11X	MX5711XX	ADV1W*26	WDIO	27-MAY-98	16-JUN-98	4.8	UGL	.0

TABLE D-10

FIELD DUPLICATE RESULTS UNFILTERED SAMPLES
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS		Test Name	IRDMIS		Lab Number	Lot	Sample Date	Analysis Date	Value	Unit	RPD
		Method Code	Field Sample Number		Site ID	Sample Number							
ABB-ES	ORGANICS/WATER/GCMS	UM18		NAP	57N-96-11X	MX5711XX	ADV1M*26	MD10	27-MAY-98	16-JUN-98	6.2	UGL	61.1
ABB-ES	ORGANICS/WATER/GCMS	UM18		NAP	57N-96-11X	MD5711XX	ADV1M*28	MD10	27-MAY-98	16-JUN-98	3.3	UGL	61.1
ABB-ES	ORGANICS/WATER/GCMS	UM18		NB	57N-96-11X	MD5711XX	ADV1M*28	MD10	27-MAY-98	16-JUN-98	.5	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18		NB	57N-96-11X	MX5711XX	ADV1M*26	MD10	27-MAY-98	16-JUN-98	.5	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18		NNDNPA	57N-96-11X	MD5711XX	ADV1M*28	MD10	27-MAY-98	16-JUN-98	4.4	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18		NNDNPA	57N-96-11X	MX5711XX	ADV1M*26	MD10	27-MAY-98	16-JUN-98	4.4	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18		NNDPA	57N-96-11X	MD5711XX	ADV1M*28	MD10	27-MAY-98	16-JUN-98	3	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18		NNDPA	57N-96-11X	MX5711XX	ADV1M*26	MD10	27-MAY-98	16-JUN-98	3	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18		PCP	57N-96-11X	MD5711XX	ADV1M*28	MD10	27-MAY-98	16-JUN-98	18	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18		PCP	57N-96-11X	MX5711XX	ADV1M*26	MD10	27-MAY-98	16-JUN-98	18	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18		PHANTR	57N-96-11X	MD5711XX	ADV1M*28	MD10	27-MAY-98	16-JUN-98	.5	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18		PHANTR	57N-96-11X	MX5711XX	ADV1M*26	MD10	27-MAY-98	16-JUN-98	.5	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18		PHENOL	57N-96-11X	MD5711XX	ADV1M*28	MD10	27-MAY-98	16-JUN-98	9.2	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18		PHENOL	57N-96-11X	MX5711XX	ADV1M*26	MD10	27-MAY-98	16-JUN-98	9.2	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18		PYR	57N-96-11X	MD5711XX	ADV1M*28	MD10	27-MAY-98	16-JUN-98	2.8	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18		PYR	57N-96-11X	MX5711XX	ADV1M*26	MD10	27-MAY-98	16-JUN-98	2.8	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18		UNK330	57N-96-11X	MD5711XX	ADV1M*28	MD10	27-MAY-98	16-JUN-98	7	UGL	15.4
ABB-ES	ORGANICS/WATER/GCMS	UM18		UNK330	57N-96-11X	MX5711XX	ADV1M*26	MD10	27-MAY-98	16-JUN-98	6	UGL	15.4
ABB-ES	ORGANICS/WATER/GCMS	UM18		UNK338	57N-96-11X	MD5711XX	ADV1M*28	MD10	27-MAY-98	16-JUN-98	10	UGL	35.3
ABB-ES	ORGANICS/WATER/GCMS	UM18		UNK338	57N-96-11X	MX5711XX	ADV1M*26	MD10	27-MAY-98	16-JUN-98	7	UGL	35.3
ABB-ES	ORGANICS/WATER/GCMS	UM18		UNK621	57N-96-11X	MD5711XX	ADV1M*28	MD10	27-MAY-98	16-JUN-98	30	UGL	.0
ABB-ES	ORGANICS/WATER/GCMS	UM18		UNK621	57N-96-11X	MX5711XX	ADV1M*26	MD10	27-MAY-98	16-JUN-98	30	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20		111TCE	57N-96-11X	MD5711XX	ADV1M*28	XDGV	27-MAY-98	03-JUN-98	.5	UGL	.0

TABLE D-10
FIELD DUPLICATE RESULTS UNFILTERED SAMPLES
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor		IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	Value	Unit	RPD
ABB-ES		UM20	111TCE	57M-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	03-JUN-98	<	.5 UGL	.0
ABB-ES		UM20	112TCE	57M-96-11X	MD5711XX	ADV1W*28	XDGV	27-MAY-98	03-JUN-98	<	1.2 UGL	.0
ABB-ES		UM20	112TCE	57M-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	03-JUN-98	<	1.2 UGL	.0
ABB-ES		UM20	11DCE	57M-96-11X	MD5711XX	ADV1W*28	XDGV	27-MAY-98	03-JUN-98	<	.5 UGL	.0
ABB-ES		UM20	11DCE	57M-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	03-JUN-98	<	.5 UGL	.0
ABB-ES		UM20	11DCE	57M-96-11X	MD5711XX	ADV1W*28	XDGV	27-MAY-98	03-JUN-98	<	.68 UGL	.0
ABB-ES		UM20	11DCE	57M-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	03-JUN-98	<	.68 UGL	.0
ABB-ES		UM20	124TMB	57M-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	03-JUN-98	<	20 UGL	.0
ABB-ES		UM20	124TMB	57M-96-11X	MD5711XX	ADV1W*28	XDGV	27-MAY-98	03-JUN-98	<	20 UGL	.0
ABB-ES		UM20	12DCE	57M-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	03-JUN-98	<	.5 UGL	.0
ABB-ES		UM20	12DCE	57M-96-11X	MD5711XX	ADV1W*28	XDGV	27-MAY-98	03-JUN-98	<	.5 UGL	.0
ABB-ES		UM20	12DCE	57M-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	03-JUN-98	<	.5 UGL	.0
ABB-ES		UM20	12DCE	57M-96-11X	MD5711XX	ADV1W*28	XDGV	27-MAY-98	03-JUN-98	<	.5 UGL	.0
ABB-ES		UM20	12DCLP	57M-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	03-JUN-98	<	.5 UGL	.0
ABB-ES		UM20	12DCLP	57M-96-11X	MD5711XX	ADV1W*28	XDGV	27-MAY-98	03-JUN-98	<	.5 UGL	.0
ABB-ES		UM20	1E2MB	57M-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	03-JUN-98	<	20 UGL	.0
ABB-ES		UM20	1E2MB	57M-96-11X	MD5711XX	ADV1W*28	XDGV	27-MAY-98	03-JUN-98	<	20 UGL	.0
ABB-ES		UM20	2CLEVE	57M-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	03-JUN-98	<	.71 UGL	.0
ABB-ES		UM20	2CLEVE	57M-96-11X	MD5711XX	ADV1W*28	XDGV	27-MAY-98	03-JUN-98	<	.71 UGL	.0
ABB-ES		UM20	3MEPEN	57M-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	03-JUN-98	<	30 UGL	100.0
ABB-ES		UM20	3MEPEN	57M-96-11X	MD5711XX	ADV1W*28	XDGV	27-MAY-98	03-JUN-98	<	10 UGL	100.0
ABB-ES		UM20	ACET	57M-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	03-JUN-98	<	13 UGL	.0
ABB-ES		UM20	ACET	57M-96-11X	MD5711XX	ADV1W*28	XDGV	27-MAY-98	03-JUN-98	<	13 UGL	.0

TABLE D-10

FIELD DUPLICATE RESULTS UNFILTERED SAMPLES
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS Method Code	IRDMIS Field				Test Name	IRDMIS				Sample Date	Analysis Date	Value	Unit	RPD
			Site ID	Sample Number	Lab Number	Lot		Site ID	Sample Number	Lab Number	Lot					
ABB-ES	VOLATILES/WATER/GCMS	UM20	57N-96-11X	MX5711XX	ADV1W*26	XDGV	BRDCLM	57N-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	03-JUN-98	.59	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57N-96-11X	MD5711XX	ADV1W*28	XDGV	BRDCLM	57N-96-11X	MD5711XX	ADV1W*28	XDGV	27-MAY-98	03-JUN-98	.59	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57N-96-11X	MX5711XX	ADV1W*26	XDGV	C13DCP	57N-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	03-JUN-98	.58	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57N-96-11X	MD5711XX	ADV1W*28	XDGV	C13DCP	57N-96-11X	MD5711XX	ADV1W*28	XDGV	27-MAY-98	03-JUN-98	.58	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57N-96-11X	MX5711XX	ADV1W*26	XDGV	C2AVE	57N-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	03-JUN-98	8.3	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57N-96-11X	MD5711XX	ADV1W*28	XDGV	C2AVE	57N-96-11X	MD5711XX	ADV1W*28	XDGV	27-MAY-98	03-JUN-98	8.3	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57N-96-11X	MX5711XX	ADV1W*26	XDGV	C2H3CL	57N-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	03-JUN-98	2.6	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57N-96-11X	MD5711XX	ADV1W*28	XDGV	C2H3CL	57N-96-11X	MD5711XX	ADV1W*28	XDGV	27-MAY-98	03-JUN-98	2.6	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57N-96-11X	MX5711XX	ADV1W*26	XDGV	C2H5CL	57N-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	03-JUN-98	1.9	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57N-96-11X	MD5711XX	ADV1W*28	XDGV	C2H5CL	57N-96-11X	MD5711XX	ADV1W*28	XDGV	27-MAY-98	03-JUN-98	1.9	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57N-96-11X	MX5711XX	ADV1W*26	XDGV	C6H6	57N-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	03-JUN-98	.5	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57N-96-11X	MD5711XX	ADV1W*28	XDGV	C6H6	57N-96-11X	MD5711XX	ADV1W*28	XDGV	27-MAY-98	03-JUN-98	.5	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57N-96-11X	MX5711XX	ADV1W*26	XDGV	CCL3F	57N-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	03-JUN-98	1.4	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57N-96-11X	MD5711XX	ADV1W*28	XDGV	CCL3F	57N-96-11X	MD5711XX	ADV1W*28	XDGV	27-MAY-98	03-JUN-98	1.4	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57N-96-11X	MX5711XX	ADV1W*26	XDGV	CCL4	57N-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	03-JUN-98	.58	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57N-96-11X	MD5711XX	ADV1W*28	XDGV	CCL4	57N-96-11X	MD5711XX	ADV1W*28	XDGV	27-MAY-98	03-JUN-98	.58	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57N-96-11X	MX5711XX	ADV1W*26	XDGV	CH2CL2	57N-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	03-JUN-98	2.3	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57N-96-11X	MD5711XX	ADV1W*28	XDGV	CH2CL2	57N-96-11X	MD5711XX	ADV1W*28	XDGV	27-MAY-98	03-JUN-98	2.3	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57N-96-11X	MX5711XX	ADV1W*26	XDGV	CH3BR	57N-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	03-JUN-98	5.8	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57N-96-11X	MD5711XX	ADV1W*28	XDGV	CH3BR	57N-96-11X	MD5711XX	ADV1W*28	XDGV	27-MAY-98	03-JUN-98	5.8	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57N-96-11X	MX5711XX	ADV1W*26	XDGV	CH3CL	57N-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	03-JUN-98	3.2	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57N-96-11X	MD5711XX	ADV1W*28	XDGV	CH3CL	57N-96-11X	MD5711XX	ADV1W*28	XDGV	27-MAY-98	03-JUN-98	3.2	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57N-96-11X	MX5711XX	ADV1W*26	XDGV	CHBR3	57N-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	03-JUN-98	2.6	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57N-96-11X	MD5711XX	ADV1W*28	XDGV	CHBR3	57N-96-11X	MD5711XX	ADV1W*28	XDGV	27-MAY-98	03-JUN-98	2.6	UGL	.0

TABLE D-10

FIELD DUPLICATE RESULTS UNFILTERED SAMPLES
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS		Test Name	IRDMIS Field			Lab Number	Lot	Sample Date	Analysis Date	Value	Unit	RPD
		Method Code	Site ID		Sample Number	Field	Sample Number							
ABB-ES	VOLATILES/WATER/GCMS	UM20	57M-96-11X	CHCL3	MX5711XX			ADV1M*26	XDGV	27-MAY-98	03-JUN-98	.5 UGL		.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57M-96-11X	CHCL3	MD5711XX			ADV1M*28	XDGV	27-MAY-98	03-JUN-98	.5 UGL		.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57M-96-11X	CL2BZ	MX5711XX			ADV1M*26	XDGV	27-MAY-98	03-JUN-98	19 UGL		5.4
ABB-ES	VOLATILES/WATER/GCMS	UM20	57M-96-11X	CL2BZ	MD5711XX			ADV1M*28	XDGV	27-MAY-98	03-JUN-98	18 UGL		5.4
ABB-ES	VOLATILES/WATER/GCMS	UM20	57M-96-11X	CLC6H5	MX5711XX			ADV1M*26	XDGV	27-MAY-98	03-JUN-98	.5 UGL		.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57M-96-11X	CLC6H5	MD5711XX			ADV1M*28	XDGV	27-MAY-98	03-JUN-98	.5 UGL		.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57M-96-11X	CS2	MX5711XX			ADV1M*26	XDGV	27-MAY-98	03-JUN-98	.5 UGL		.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57M-96-11X	CS2	MD5711XX			ADV1M*28	XDGV	27-MAY-98	03-JUN-98	.5 UGL		.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57M-96-11X	CYHX	MX5711XX			ADV1M*26	XDGV	27-MAY-98	03-JUN-98	20 UGL		.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57M-96-11X	CYHX	MD5711XX			ADV1M*28	XDGV	27-MAY-98	03-JUN-98	20 UGL		.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57M-96-11X	DBRCLM	MX5711XX			ADV1M*26	XDGV	27-MAY-98	03-JUN-98	.67 UGL		.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57M-96-11X	DBRCLM	MD5711XX			ADV1M*28	XDGV	27-MAY-98	03-JUN-98	.67 UGL		.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57M-96-11X	ETC6H5	MX5711XX			ADV1M*26	XDGV	27-MAY-98	03-JUN-98	20 UGL		.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57M-96-11X	ETC6H5	MD5711XX			ADV1M*28	XDGV	27-MAY-98	03-JUN-98	20 UGL		.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57M-96-11X	MEC6H5	MX5711XX			ADV1M*26	XDGV	27-MAY-98	03-JUN-98	.5 UGL		.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57M-96-11X	MEC6H5	MD5711XX			ADV1M*28	XDGV	27-MAY-98	03-JUN-98	.5 UGL		.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57M-96-11X	MECYPE	MX5711XX			ADV1M*26	XDGV	27-MAY-98	03-JUN-98	20 UGL		.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57M-96-11X	MECYPE	MD5711XX			ADV1M*28	XDGV	27-MAY-98	03-JUN-98	20 UGL		.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57M-96-11X	MEK	MX5711XX			ADV1M*26	XDGV	27-MAY-98	03-JUN-98	6.4 UGL		.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57M-96-11X	MEK	MD5711XX			ADV1M*28	XDGV	27-MAY-98	03-JUN-98	6.4 UGL		.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57M-96-11X	MIBK	MX5711XX			ADV1M*26	XDGV	27-MAY-98	03-JUN-98	3 UGL		.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57M-96-11X	MIBK	MD5711XX			ADV1M*28	XDGV	27-MAY-98	03-JUN-98	3 UGL		.0
ABB-ES	VOLATILES/WATER/GCMS	UM20	57M-96-11X	MNBK	MX5711XX			ADV1M*26	XDGV	27-MAY-98	03-JUN-98	3.6 UGL		.0

TABLE D-10

FIELD DUPLICATE RESULTS UNFILTERED SAMPLES
FT. DEVENS AOC 57

1998 SUPPLEMENTAL FIELD INVESTIGATION

Contractor	Method Description	IRDMIS		Test Name	IRDMIS Site ID	IRDMIS Field		Lab Number	Lot	Sample Date	Analysis Date	<	Value	Unit	RPD
		Method Code	Sample Number			Sample Number	Field Number								
ABB-ES	VOLATILES/WATER/GCMS	UM20		MMBK	57M-96-11X	MD5711XX	ADV1W*28	XDGV	27-MAY-98	03-JUN-98			3.6	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20		NAP	57M-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	03-JUN-98			10	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20		NAP	57M-96-11X	MD5711XX	ADV1W*28	XDGV	27-MAY-98	03-JUN-98			10	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20		PRC6H5	57M-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	03-JUN-98			10	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20		PRC6H5	57M-96-11X	MD5711XX	ADV1W*28	XDGV	27-MAY-98	03-JUN-98			10	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20		STYR	57M-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	03-JUN-98			.5	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20		STYR	57M-96-11X	MD5711XX	ADV1W*28	XDGV	27-MAY-98	03-JUN-98			.5	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20		T13DCP	57M-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	03-JUN-98			.7	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20		T13DCP	57M-96-11X	MD5711XX	ADV1W*28	XDGV	27-MAY-98	03-JUN-98			.7	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20		TCLEA	57M-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	03-JUN-98			.51	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20		TCLEA	57M-96-11X	MD5711XX	ADV1W*28	XDGV	27-MAY-98	03-JUN-98			.51	UGL	.0
ABB-ES	VOLATILES/WATER/GCMS	UM20		TCLEE	57M-96-11X	MD5711XX	ADV1W*26	XDGV	27-MAY-98	03-JUN-98			5.5	UGL	1.8
ABB-ES	VOLATILES/WATER/GCMS	UM20		TCLEE	57M-96-11X	MX5711XX	ADV1W*28	XDGV	27-MAY-98	03-JUN-98			5.4	UGL	1.8
ABB-ES	VOLATILES/WATER/GCMS	UM20		TRCLE	57M-96-11X	MD5711XX	ADV1W*26	XDGV	27-MAY-98	03-JUN-98			3.8	UGL	2.7
ABB-ES	VOLATILES/WATER/GCMS	UM20		TRCLE	57M-96-11X	MX5711XX	ADV1W*28	XDGV	27-MAY-98	03-JUN-98			3.7	UGL	2.7
ABB-ES	VOLATILES/WATER/GCMS	UM20		XYLEN	57M-96-11X	MX5711XX	ADV1W*26	XDGV	27-MAY-98	03-JUN-98			5.9	UGL	1.7
ABB-ES	VOLATILES/WATER/GCMS	UM20		XYLEN	57M-96-11X	MD5711XX	ADV1W*28	XDGV	27-MAY-98	03-JUN-98			5.8	UGL	1.7

TABLE D-11
SUMMARY OF TENTATIVELY IDENTIFIED COMPOUNDS
AOC 57 1998 SUPPLEMENTAL FIELD INVESTIGATION
DEVENS, MASSACHUSETTS

MEDIA	SITE ID	FIELD SAMPLE NUMBER	IRDMIS TEST NAME	PARAMETER NAME	VALUE	FLAG CODE
SVOA sediment (LM18)	57D-98-01X	DX570100	C29 UNK646-687	nonacosane unknown (7)	6.7 14	S S
	57D-98-02X	DX570200	C16A C27 SMOLE UNK532-687	hexadecanoic acid heptacosane sulfur unknown (20)	1.6 5.2 2.1 145	S S S S
	57D-98-03X	DX570300	C29 UNK644-687	nonacosane unknown (12)	9.4 45	S S
	57D-98-04X	DX570400	C29 PHENAA UNK597-689	nonacosane phenacetin unknown (32)	13 1.3 121	S S S
	57D-98-05X	DX570500	C16A C27 SMOLE UNK517-695	hexadecane heptacosane sulfur unknown (18)	5.5 7.4 1.8 54	S S S S
	57D-98-06X	DX570600	C29 UNK538-687	nonacosane unknown (21)	7.2 69	S S
	57D-98-07X	DX570700	3S5E3L UNK597-687	β -sitosterol unknown (30)	1.8 97	S S
	57D-98-08X	DX570800	3S5E3L UNK612-687	β -sitosterol unknown (21)	.66 31	S S
	57S-98-01X	SX570101	UNK636-695	unknown (3)	2	S
	57S-98-02X	SX570200	UNK645-669	unknown (6)	59	S
	57S-98-03X	SX570302	UNK667	unknown	20	S
	57S-98-05X	SX570503	UNK667	unknown	2	S
SVOA soils (LM18)	57S-98-06X	SX570601	UNK653-669	unknown (5)	21	S
	57S-98-07X	SD570700	ALPHPN C27 UNK526-682	alpha-pinene heptacosane unknown (10)	1 1.5 27	SD SD SD
	57S-98-07X	SX570700	ALPHPN UNK645-669	alpha-pinene unknown (8)	10 170	S S
	57S-98-07X	SX570701	UNK577-628	unknown (4)	50	S
	57S-98-08X	SX570800	C29 UNK636-695	nonacosane unknown (6)	11 68	S S
	57S-98-09X	SX570900	UNK653-695	unknown (6)	56	S
	57S-98-13X	SX571301	UNK653	unknown	.8	S
	57S-98-14X	SX571401	UNK667	unknown	1	S
	57S-98-15X	SX571503	UNK695	unknown	.4	S
	57M-96-11X	MD5711XX	UNK525-621	unknown (4)	49	SD
	57M-96-11X	MX5711XX	ETC6H5 PRC6H5 UNK519-621	ethylbenzene propylbenzene unknown (4)	7 4 50	S S S
	57P-98-02X	MX5702XX	UNK519-582	unknown (2)	19	S
	57P-98-03X	MX5703XX	PRC6H5 UNK530-592 XYLEN	propylbenzene unknown (15) xylene	5 171 5	S S S
SVOA water (UM18)	57W-98-05X	WX570500	UNK528-666	unknown (3)	21	S

TABLE D-11
SUMMARY OF TENTATIVELY IDENTIFIED COMPOUNDS
AOC 57 1998 SUPPLEMENTAL FIELD INVESTIGATION
DEVENS, MASSACHUSETTS

MEDIA	SITE ID	FIELD SAMPLE NUMBER	IRDMIS TEST NAME	PARAMETER NAME	VALUE	FLAG CODE
	57W-98-08X	WX570800	UNK662	unknown	4	S
VOA water (UM20)	57M-96-11X	MD5711XX	124TMB	1,2,4-trimethylbenzene	20	S
			1E2MB	1-ethyl-2-methylbenzene	20	S
			2MEPEN	2-methylpentane	10	S
			3MEPEN	3-methylpentane	30	S
			CL2BZ	chlorobenzene	18	S
			CYHX	cyclohexane	20	S
			MECYPE	methylcyclopentane	20	S
			NAP	naphthalene	10	S
			PRC6H5	propylbenzene	10	S
			UNK219	unknown	10	S
	57M-96-11X	MX5711XX	124TMB	1,2,4-trimethylbenzene	20	S
			1E2MB	1-ethyl-2-methylbenzene	20	S
			3MEPEN	3-methylpentane	10	S
			CL2BZ	chlorobenzene	19	S
			CYHX	cyclohexane	20	S
			INDAN	indan	10	S
			MECYPE	methylcyclopentane	20	S
			NAP	naphthalene	10	S
			PCYMEN	4-(1-methylethyl)toluene	10	S
			PRC6H5	propylbenzene	10	S
	57P-98-03X	MX5703XX	124TMB	1,2,4-trimethylbenzene	70	S
			1E2MB	1-ethyl-2-methylbenzene	10	S
			INDAN	indan	6	S
			NAP	naphthalene	8	S
			UNK237	unknown	7	S

Notes:

soils = µg/g wates = µg/L

S = non-target compound; D = duplicate

Unknown (#) = total concentration of specified number of unidentified non-target compounds

SVOA = semivolatile organic analysis

VOA = volatile organic analysis

1999 OFF-SITE LABORATORY DATA (AREA 3 SOIL REMOVAL)

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A data quality review was completed on analytical data collected during confirmation sampling associated with the AOC 57 Source Area 3 Removal Action. Samples were analyzed for extractable petroleum hydrocarbon (EPH), volatile petroleum hydrocarbon (VPH), organochlorine pesticides by USEPA Method 8081, and polychlorinated biphenyls (PCBs) by USEPA Method 8082 (USEPA, 1996). Soil samples were analyzed for EPH/VPH using Massachusetts Department of Environmental Protection (MADEP) procedures (MADEP, 1998). Samples were analyzed by Katahdin Analytical Services in Westbrook, Maine. Soil samples were collected during field investigations completed in March, April, and June 1999. Data were validated to evaluate quality control measurement data associated with the laboratory analytical results, and to determine the usability of reported results.

Based on the data quality review described below, all VPH/EPH and PCB results are considered to be usable for quantitative and qualitative assessment of the presence and concentration of specified target analytes. Results for some hydrocarbon groups and target compounds have been qualified J indicating that reported results are interpreted to be estimated values. A subset of pesticide results has been qualified rejected R or estimated J due to poor matrix spike performance. Qualified sample results are discussed in detail below.

Data Review

The data quality review was performed by the HLA project chemist in accordance with reduced data validation guidance provided by the USACE New England. During the validation process, the major QC measurement specified in the analytical data sets are evaluated. Data validation actions were based on qualification procedures outlined in the USEPA validation guidance documents (USEPA, 1994). The following QC measurement and method requirements were evaluated:

- holding time compliance
- sample shipping and custody records
- laboratory control sample (LCS) results
- matrix spike (MS) results
- surrogate recoveries
- laboratory and field QC blank results
- field duplicate results

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VPH

All soil samples were preserved in methanol and analyzed within the 28 day holding time specified in the method. No target analytes were reported in laboratory method blanks, trip blanks, or rinse blanks associated with the data sets. LCS recoveries and duplicate data associated with the soil samples were within method specified limits indicating the analytical method was in control during the analysis of all samples in the data set. No matrix spike analyses were completed on samples in the data set due to lack of adequate volume of samples supplied to the laboratory. With the exception of samples discussed below, surrogate recoveries were within method specified limits for all samples.

A subset of samples was run at dilutions due to the presence of C9-C12 non-target compounds in the sample analysis. Reporting limits for BTEX and MTBE were elevated due to dilution in samples EX57W11X, EX57W14X, EX57W15X and the associated field duplicate, EX57W16X, and EX57W17X. It is possible that BTEX and MTBE might be present at concentrations below these elevated reporting limits; however, the overall VPH target compound results suggest that the contamination is primarily weathered hydrocarbons with the majority of BTEX has degraded.

The following data qualification actions and data use considerations should be incorporated into assessments made with this data set:

1. Aromatic fractions and target compound results in samples EX57W15X and the associated field duplicate, and EX57W 17X, were qualified estimated J due to surrogate recovery outside the method specified limits of 70%-130%. Surrogate recovery for the aromatic fraction was 62% - 67% indicating a slight low bias in the results.
2. All results for sample EX57W13X were qualified estimated J because of surrogate recovery outside the method specified limits of 70%-130%. Surrogate recovery for the aromatic and aliphatic fractions were 66% - 69% indicating a slight low bias in the results.
3. Results for the C9-C10 aromatic fraction in sample EX57W 02X and the associated duplicate were qualified estimated J due to differences in the field duplicate results.

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EPH

All samples were analyzed within the 14 day soil holding time specified in the method. LCS and MS recoveries, and duplicate data were within method specified limits for the majority of analytes indicating the analytical method was in control during the analyses. With the exception of two samples discussed below, surrogate recoveries were within method specified limits for all samples.

The following data qualification actions and data use considerations should be incorporated into assessments made with this data set:

1. Aromatic fraction and target compound results for soil sample EX57W13X were qualified estimated J due to low surrogate recovery (34%). Results for these samples are considered potentially biased low.
2. Aliphatic fraction and target compound results for soil sample EX57W12X were qualified estimated J due to low surrogate recovery (19%). Results for these samples are considered potentially biased low.
3. Naphthalene results for a subset of samples were qualified estimated J due to low matrix spike recoveries of (31% - 43%).
4. In samples EX57W02X, EX57W06X, EX57W08X, and EX57W12X results reported for C19-C36 aliphatics were qualified non-detect U due to similar concentrations being reported in the laboratory method blank.

Pesticides

All samples were analyzed within the 14 day soil holding time specified in the method. LCS recoveries, and duplicate data were within method specified limits. All reported surrogate recoveries were within method limits. Data from the MS/MSD pairs analyzed with each of the 3 data delivery groups indicate that there were matrix effects limiting the accuracy of the pesticide results. Different matrix effects were observed for each MS/MSD pair including inconsistent low and high recoveries in a subset of the target compounds. In two of three MS/MSD samples, high concentrations of PCBs were present in the samples causing interference in the data. No clean up steps were taken during the analysis of these samples. It is possible that more reliable data could have been obtained if clean up steps including Forisil or Silica clean ups were undertaken at the laboratory. Results were qualified based on USEPA guidelines.

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APPENDIX D-5

1. Results for dieldrin, 4,4'-DDD, 4,4'-DDT, alpha-chlorodane, beta-BHC, endosulfan I and II, endosulfan sulfate, endrin, gama-BHC, gama-chlordane, and heptachlor epoxide were qualified estimated J in a subset of samples due to matrix spike recoveries outside limits.
2. A subset of methoxychlor results were rejected R due to low MS recoveries.

PCBs

All samples were analyzed within the 14 day soil holding time specified in the method. LCS, MS, surrogate recoveries, and duplicate data were within method specified limits indicating the analytical method was in control during the analyses. No data qualification was done on the PCB data sets.

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Reference:

Massachusetts Department of Environmental Protection (MADEP), 1998. "Method for the Determination of Volatile Petroleum Hydrocarbons (VPH)"; Division of Environmental Analysis; Office of Research and Standards; Bureau of Waste Site Cleanup; January 1998.

Massachusetts Department of Environmental Protection (MADEP), 1998. "Method for the Determination of Extractable Petroleum Hydrocarbons (EPH)"; Division of Environmental Analysis; Office of Research and Standards; Bureau of Waste Site Cleanup; January 1998.

U.S. Environmental Protection Agency (USEPA), 1996. "Test Methods for Evaluating Solid Waste"; Laboratory Manual Physical/Chemical Methods; Office of Solid Waste and Emergency Response; Washington, DC; SW-846; November 1986; Revision 4 -December 1996.

U.S. Environmental Protection Agency (USEPA), 1994. "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review"; Office of Solid Waste and Emergency Response; EPA-540/R-94/012; February 1994.

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